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(54) System for corporate travel planning and management

(57) A system for corporate travel planning, expense reporting and travel management comprises a computerised reservation system (30), a relational database server computer (18) adapted to be linked to the reservation system (30) and a travel planning, expense

reporting and travel management system (38) resident on a personal computer (22) and providing a graphical user interface for communication between a user of the personal computer, the system (38) and the relational database server (18).

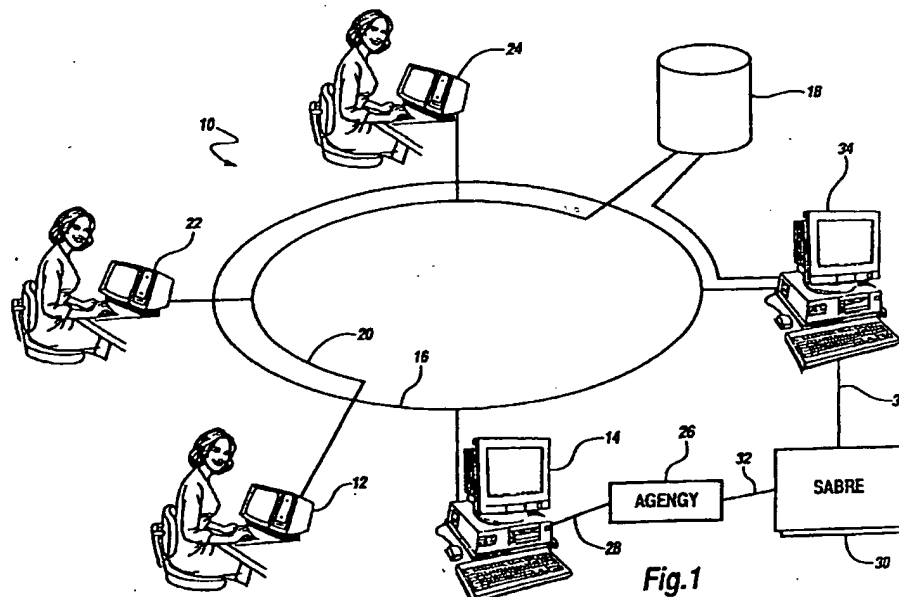


Fig.1

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Description

TECHNICAL FIELD OF THE INVENTION

[0001] This invention relates in general to a travel and transportation information systems and in particular to, a client-server system that communicates with an airline Computerized Reservation System and places travel information directly in the hands of the corporate traveler.

BACKGROUND OF THE INVENTION

[0002] Historically, corporate travel has often escaped the close scrutiny by management that was used for every other function of the corporation. Travel dollars were seen as a necessary evil and were spent until the corporate balance sheet showed more problem than promise. Recently, corporations have aggressively examined every process and paradigm to re-engineer and transform themselves into a lean and highly-productive corporate machine that can support success and growth. As a result, travel dollars became one of the first expenses tightly controlled or cut.

[0003] Given that approximately \$130 billion were spent on travel in 1994, Corporate Travel Managers are examining and implementing a variety of solutions to manage costs and change the aura that typically surrounds corporate travel expenses. For example, corporations have consolidated travel management in credit card services, published corporate travel policies, and mandated the use of preferred travel providers.

[0004] Corporate policies, however, that force a frequent traveler to sit through a two hour connection or stay in a less than mid-line hotel off the beaten path have driven the typical frequent traveler to come up with creative ways to circumvent the travel policy in order to meet their own personal requirements. Frequent travelers are bypassing policy at every turn to maintain their productivity and to take advantage of any perks that compensate them for long hours away from home. This scenario compounds the already huge information deficit Corporate Travel Managers are struggling to resolve including travelers' circumvention of corporate policy which results in travel data being totally lost.

[0005] From a corporate standpoint, travel has an impact on the traveler, the corporate Travel Manager, the Department Manager, Accounts Payable and the Corporation itself. The traveler seeks an easy and fast way to arrange travel. Under conventional methods however, the traveler must arrange trips through a series of telephone conversations with a travel management firm or agency. In addition, the traveler seeks an automated expense reporting system. Present methods which combine manual and automated forms may require repetitive data input of previously requested travel information for report presentation. In addition, the approval and reimbursement of expenses is typically manual.

[0006] The Corporate Travel Manager needs a true

summary of the total corporate travel expenses by category. Presently, the Corporate Travel Manager may estimate travel expenses and category breakdowns based upon report information from Travel Management Firms, corporate credit card companies, or preferred vendors. These estimates may be inaccurate, however, if the traveler made on-the-road trip changes, did not comply with usage of corporate travel agencies or credit card, or stayed in a hotel that is not the same as the one which was booked. Corporate Travel Managers must also stay informed as to the status of preferred vendor agreements. Historically, summaries of the corporation's actual market share performance was provided by travel management firms or the preferred vendor. These summaries, however, were typically not provided on a timely basis, provided minimal information on a pre-travel basis, and provided no method for self-validation of performance.

[0007] Department managers need pre-travel reporting of travel expenses and possible violations of travel policy. Presently, random manual notification of policy violations is provided by travel management firms to the Corporate Travel Manager. Typically, this notification is insufficient or not timely enough to allow Department Managers to enforce corporate policy on a pre-travel basis. Department Managers also desire an automated expense reporting system. Current methods require manual processing of approval and reimbursements of expenses by Department Managers.

[0008] Accounts Payable desires an automated processing system for expense reports. Current methods require manual auditing, posting, and payments of expense reports.

[0009] Many of the limitations on the current corporate travel planning and management systems stem from the corporate traveler's dependence on travel management firms. Travel management firms currently function as the central hub for all travel service and information regarding travel for the corporate traveler. There is a total reliance on the travel management firm by the travelers for trip planning and management as well as by the Corporate Travel Managers for summary reporting.

[0010] Therefore, a need has arisen for a corporate travel planning and management system which operates on a corporate database environment that allows automated travel planning from a corporate traveler's desktop, pre-travel decision support to inform a corporation of planned travel expenditures before corporate dollars are spent, and automated expense reporting.

SUMMARY

[0011] The present invention comprises a client-server system for corporate travel planning and management which operates on a corporate database environment, comprising desktop LAN software as well as a Travel Planning module and a Travel Expense Reporting module which together provide solutions for two of

the manual and most costly areas of corporate business travel management. The two modules may coexist as fully-functional, stand-alone modules or be integrated into a Travel Decision Maker module creating a comprehensive travel management system.

[0012] The Travel Planning module of the present invention provides the corporate traveler with a desktop system that provides a graphical user interface to real-time Computerized Reservation Service (CRS) Data for efficient travel planning and booking. The system targets two of the most prevalent types of corporate trips, the simple 2-4 segment trips that include air, car, and hotel accommodations as well as the common or repeat trip, estimated at 40% - 70% of all corporate travel.

[0013] The Travel Planning module interacts with locally stored traveler and corporate profiles in a relational database that function as filters against real-time CRS Data output to ensure the appropriate corporate vendor preferences are displayed to and booked by the corporate traveler. The present invention enables the traveler to complete the entire booking process, which results in the creation of a Personal Name Record (PNR), or to create a PNR with a booking request which a travel agency completes.

[0014] The Travel Expense Reporting module of the present invention provides to the traveler's desktop a system that automates the preparation of travel expense reports. The system also automates the routing of expense report to assure appropriate authorization, accurate expense reimbursement and timely posting of expense totals to a corporation's general ledger.

[0015] In addition, the present invention provides automated summary reporting of the actual costs of corporate travel. The reporting is enabled by the relational database, which resides in the corporate environment, that tracks all data from the expense report process and provides comparisons to yearly vendor market share contracts and budgets. A number of automated reports are provided to both the Corporate Travel Manager and Department-level Managers to enable timely and proactive management of corporate resources.

[0016] The Travel Decision Maker module of the present invention incorporates information that results from the Trip Planning and Expense Reporting modules to enable comprehensive pre-travel and post-travel reporting for Corporate Travel Managers and Department Managers. The Pre-travel and post-travel information that feeds the Travel Decision Makers module is integrated into a relational database via the travel planning and expense reporting processes.

[0017] According to one aspect of the invention, a client-server system for corporate traveler planning, expense reporting and travel management is provided comprising a computerized reservation system, a relational database server communicably linked to the computerized reservation system and a traveler planning, expense reporting and travel management system resident within a personal computer providing a graphical

user interface for communication between the corporate traveler, at least one travel agency, the traveler planning, expense reporting, and travel management system and the relational database server. The traveler planning, expense reporting and travel management system includes a travel planning module having an automatic travel request approval device for automatically approving travel requests made by the traveler before travel expenses are incurred and a series of graphical user interfaces for allowing at least one traveler to plan and book routine and non-routine trips that include at least one selected from a group comprising air, hotel, and car accommodations and communicate the traveler's planned and booked routine and non-routine trips to the travel agency for post planning and booking processing, a travel expense reporting module having an expense report approval and routing device for automatically approving and routing expense reports and a travel decision maker module configured for incorporating information from the travel planning module and the expense reporting module and providing pre-travel and post-travel reporting.

[0018] In the client-server system for corporate traveler planning, expense reporting and travel management, the relational database server preferentially stores traveler and corporate profiles which interfaces between the traveler planning, expense reporting and travel management system and the computerized reservation system.

[0019] According to another aspect of the invention, a system for managing travel of an enterprise is provided, comprising a storage subsystem reflecting travel information for the enterprise, including requested travel plans and corresponding expense data, a memory having program instructions and a processor. The processor is operating in response to the program instructions to receive a request to book a travel plan from a traveler, determine whether the traveler's requested travel plan complies with travel policies associated with the enterprise, selectively allow the traveler to complete a travel reservation based on whether the traveler's requested travel plan complies with the travel policies and communicating the completed travel reservation to a travel agency for post reservation processing and compute expense data corresponding to the traveler's requested travel plan.

[0020] In the system, the processor is preferentially further configured to provide the traveler with access to a computerized reservation system for receiving the traveler's completed travel reservation.

[0021] According to still another aspect of the invention, a client-server system for corporate traveler planning, expense reporting and travel management is provided comprising a computerized reservation system, relational database server communicably linked to the computerized reservation system and a traveler planning, expense reporting and travel management system resident within a personal computer providing a graph-

ical user interface for communication between the corporate traveler, at least one travel agency, the traveler planning, expense reporting and travel management system and the relational database server. The traveler planning, expense reporting and travel management system is configured for selectively allowing the traveler to complete a travel reservation and communicate the completed travel reservation to the travel agency for post reservation processing. The series of graphical user interfaces are configured to allow the traveler to retrieve repeat trip data from a repeat trip file database and complete a modified travel reservation for a modified travel plan based on the repeat trip data.

[0022] In the client-server system for corporate traveler planning, expense reporting and travel management, the series of graphical user interfaces are preferentially configured to allow the traveler to cancel a completed travel reservation.

[0023] In the client-server system for corporate traveler planning, expense reporting and travel management, the traveler planning, expense reporting and travel management system preferentially includes an automated approval device for selectively obtaining corporate approval for a traveler's requested travel plan.

[0024] In the client-server system for corporate traveler planning, expense reporting and travel management, the automated approval device preferentially determines whether the traveler's requested travel plan complies with a set of policy preferences according to a selected relationship among policies within the set of policy preferences.

[0025] In the client-server system for corporate traveler planning, expense reporting and travel management, the set of policy preferences preferentially include a project policy preference that takes precedence over an employee policy preference.

[0026] In the client-server system for corporate traveler planning, expense reporting and travel management, the set of policy preferences preferentially include a negotiated hotel rate policy preference that takes precedence over a corporate-preferred vendor policy preference.

[0027] According to still another aspect of the invention, a computer-implemented method of managing travel for an enterprise is provided, comprising the steps of receiving a request to book a travel plan for a traveler, determining whether the travel plan complies with a set of travel policies according to a travel policy hierarchy that defines a relationship between each travel policy within the set of travel policies, computing expense data corresponding to the travel plan and maintaining a storage subsystem reflecting travel information for the enterprise, including requested travel plans and corresponding expense data.

[0028] In the method, the set of travel policies preferentially includes a project policy, an employee policy, a negotiated hotel rate policy, and an enterprise-preferred vendor policy such that, when determining whether the

travel plan complies with the set of travel policies, compliance of the travel plan with the project policy takes precedence over the employee policy, the negotiated hotel rate policy, and the negotiated hotel rate policy takes precedence over the enterprise-preferred vendor policy.

[0029] In the following, further aspects are mentioned.

[0030] According to a further aspect, a client-server system is provided for corporate travel planning, expense reporting and travel management comprising a computerized reservation system, a relational database server communicably linked to the computerized reservation system and a travel planning, expense reporting and travel management system resident within a personal computer providing a graphical user interface for communication between the computer user, the travel planning, expense reporting and travel management system and the relational database server.

[0031] In the client-server system for corporate travel planning, expense reporting and travel management, the relational database server preferentially stores traveller and corporate profiles which interface between the travel planning, expense reporting and travel management system and the computerized reservation system.

[0032] In the client-server system for corporate travel planning, expense reporting and travel management, the travel planning, expense reporting and travel management system preferentially further comprises a travel planning module and a travel expense reporting module.

[0033] In the client-server system for corporate travel planning, expense reporting and travel management, the travel planning module preferentially includes means for automated approval of travel requests before travel expenses are incurred.

[0034] In the client-server system for corporate travel planning, expense reporting and travel management, the travel planning module preferentially includes a series of graphical user interfaces for the planning and booking of a non-routine trip including air, hotel and car accommodations.

[0035] In the client-server system for corporate travel planning, expense reporting and travel management, the travel planning module preferentially includes a series of graphical user interfaces for the planning and booking of a repeat trip including air, hotel and car accommodations.

[0036] In the client-server system for corporate travel planning, expense reporting and travel management, the travel expense reporting module preferentially further comprises means for automated expense report approval.

[0037] In the client-server system for corporate travel planning, expense reporting and travel management, the travel expense reporting module preferentially further comprises means for automated expense report approval.

[0038] In the client-server system for corporate travel

planning, expense reporting and travel management, the travel expense reporting module preferentially includes a series of graphical user interfaces for providing corporate policy information from the relational database server.

[0039] In the client-server system for corporate travel planning, expense reporting and travel management, the travel expense reporting module preferentially includes a series of graphical user interfaces that are pre-populated with trip data from the relational database server.

[0040] In the client-server system for corporate travel planning, expense reporting and travel management, the travel planning, expense reporting and travel management system preferentially further comprises a travel decision maker module that incorporates information from the trip planning module and the expense reporting module for providing pre-travel and post-travel reporting.

[0041] According to another aspect, a method for corporate travel planning, expense reporting and travel management is provided utilizing a personal computer communicably linked to a relational database server that is communicably linked to a computerized reservation system that provides travel information from the computerized reservation system to the relational database server and the travel planning, expense reporting and travel management system. The method comprises the steps of preparing a travel request, obtaining approval for travel, preparing an expense report and obtaining approval for the expense report.

[0042] In the method for corporate travel planning, expense reporting and travel management, the step of preparing a travel request preferentially further comprises the steps of energizing a new trip icon, providing corporate policy data from the relational database, specifying a purpose for the trip, selecting an origination point and a destination point, selecting a flight time to travel from the origination point and the destination point, selecting a flight time for the return flight from the destination point to the origination point, creating a record of the flight information, energizing a hotel icon, requesting hotel information, selection a hotel, creating a record of the hotel information, energizing a car icon, requesting car information, selection a car, creating a record of the car information, energizing a cost icon, searching for a cheaper flight, selecting a cheaper flight and sending the travel request to a travel agency for booking.

[0043] In the method for corporate travel planning, expense reporting and travel management, the step of preparing a travel request preferentially further comprises the steps of energizing a frequent trip icon, selecting a frequent trip, inputting a date for the trip and sending the travel request to a travel agency for booking.

[0044] In the method for corporate travel planning, expense reporting and travel management, the step of obtaining approval for travel preferentially further comprises the steps of electronically sending the travel request

to an approver, providing the approver with corporate policy data from the relational database, electronically approving the travel request and electronically notifying the traveller of approval.

5 [0045] In the method for corporate travel planning, expense reporting and travel management, the step of preparing an expense report preferentially further comprises the steps of energizing a new expense report icon, specifying the date and purpose of the expense, detailing the air, car, hotel, meal and business entertainment expenses, calculating expense totals, checking for corporate policy compliance, creating an expense report and electronically routing the expense report for approval.

10 [0046] In the method for corporate travel planning, expense reporting and travel management, the step of obtaining approval for the expense report preferentially further comprises the steps of electronically sending the expense report to an approver, providing the approver with corporate policy data from the relational database, electronically approving the expense report and electronically notifying the traveller of approval.

15 [0047] According to a further aspect, a client-server system for corporate travel planning, expense reporting and travel management is provided comprising a computerized reservation system and a relational database server communicably linked to the computerized reservation system. The client-server system further comprises a travel planning, expense reporting and travel management system resident within a personal computer providing a graphical user interface for communication between the computer user, the travel planning, expense reporting and travel management system and the relational database server, the travel planning, expense reporting and travel management system comprising a travel planning module, a travel expense reporting module and a travel decision maker module, the travel planning module includes means for automated approval of travel requests before travel expenses are incurred and a series of graphical user interfaces for the planning and booking of routine and non-routine trips including air, hotel and car accommodations. The travel expense reporting module further includes means for automated expense report approval and means for automated expense report approval and routing, and the travel decision maker module incorporates information from the trip planning module and the expense reporting module for providing pre-travel and post-travel reporting.

20 [0048] In the client-server system for corporate travel planning, expense reporting and travel management, the relational database server preferentially stores traveller and corporate profiles which interfaces between the travel planning, expense reporting and travel management system and the computerized reservation system.

BRIEF DESCRIPTION OF THE DRAWINGS

[0049] For a more complete understanding of the present invention, including its features and advantages, reference is now made to the detailed description, taken in conjunction with the accompanying drawings of which:

Fig. 1 is a simplified diagram of the platform of the present invention as it may look in a corporation;

Fig. 2 is a simplified block diagram of the modules of the present invention;

Fig. 3 is a simplified block diagram of the system of the present invention;

Figs. 4 is more detailed block diagrams of the trip planning system of Fig. 3;

Figs. 5 is more detailed block diagrams of the update static tables system of Fig. 3;

Figs. 6 is more detailed block diagrams of the update static tables system of Fig. 3;

Figs. 7 is more detailed block diagrams of the interface manager system of Fig. 3;

Figs. 8 is more detailed block diagrams of the pre-trip management system of Fig. 3;

Figs. 9 is more detailed block diagrams of the utilities function system of Fig. 3;

Figs. 10 is more detailed block diagrams of the expense reporting system of Fig. 3;

Figs. 11 is more detailed block diagrams of the post-trip management system of Fig. 3;

Figs. 12 is more detailed block diagrams of the post-trip management system of Fig. 3;

Figs. 13 is more detailed block diagrams of the post-trip management system of Fig. 3;

Fig. 14, consisting of 14A-14X, is a series of graphical user interfaces for scheduling a trip;

Fig. 15, consisting of 15A-15G, is a series of graphical user interfaces for scheduling repeat trips; and

Fig. 16, consisting of 16A-16M, is a series of graphical user interfaces for creating an expense report.

DETAILED DESCRIPTION OF THE INVENTION

[0050] The client-server system of the present invention for corporate travel planning and management 10 is shown in simplified platform diagram form in Fig. 1. The client interface of the present invention may be deployed on any conventional personal computer or client workstation 12, running a suitable operating system such as Windows, OS2, or Macintosh. The client workstation 12 is in communication with an E-mail server 14 via a conventional network connection 16. The E-mail system may operate any standard E-mail protocol such as VIM or MAPI. The client workstation 12 is in communication with a corporate database server 18 via network connection 20. The corporate database server 18 may operate any open relational database environment such as Oracle or Sybase. The corporate database server 18

may be a pentium (NT), or Unix having 32-64 MB of memory.

[0051] A department manager workstation 22 is in communication with the E-mail server 14 via network connection 16 and the corporate database server 18 via the network connection 20. The department manager workstation 22 may be any conventional personal computer with a suitable operating system as specified above. The travel manager workstation 24 is in communication with the E-mail server 14 via network connection 16 and in communication with the corporate database server 18 via the network connection 20. The travel manager workstation 24 may be a conventional 486 personal computer having 16 MB RAM of memory.

[0052] The E-mail server 14 is in communication with any conventional travel agency 26 via a telecommunication link 28. The telecommunication link 28 preferably consists of high speed modems and telephone lines or the equivalent thereof. The travel agency 26 is in communication with any airline computerized reservation system such as American Airlines' SABRE Computerized Reservation System 30 via a telecommunication link 32. The corporate database server 18 communicates with the gateway 34 using a TCP/IP sockets interface, which is the industry standard cross-platform interprocess communication protocol. The gateway 34 will provide a Generalized Data Stream (GDS) style request and reply interface with the CRS 30 via telecommunication link 36.

[0053] A simplified block diagram of the corporate travel planning and management system generally designated 38 is represented in Fig. 2. The corporate centric client-server system 38 comprises Travel Planning module 40, Travel Expense Reporting module 42, and Travel Decision Maker module 44. From the client workstation 12, the Travel Planning module 40 receives and sends availability, fare and booking data 46 from the CRS 30. The Travel Planning module 40 receives policies and preferences data 48 from the corporate database 18 and sends authorization request data 50 to the corporate database 18. The Travel Expense Reporting module 42 receives trip and card data 52 and expense policy data 54 from the corporate database 18. The Travel Expense Reporting module 42 sends expense detail data 56 and summary expense totals 58 to the corporate database 18. The Travel Decision Maker module 44 receives pre-trip booking data 60 and actual expenses data 62 from the corporate database 18. The Travel Decision Maker module 44 receives GDS data 64 from the CRS 30. The Travel Decision Maker module 44 sends trip record data 66 to the corporate database 18.

[0054] A simplified block diagram of the functional elements of the corporate centric client-server system 38 is depicted in Fig. 3. The functional elements comprise trip planning 68, update static tables 70, interface manager 72, pre-trip management 74, utility functions 76, security 78, expense reporting 80, and post-trip man-

agement 82.

[0055] Turning now to Fig. 4, the trip planning 68 of Fig. 3 is described in greater detail. The first step in trip planning 68 is a trip request process 84. Entry into the trip request process 84 can be done by either the corporate traveler 86 or by a corporate travel arranger (not pictured). The trip request process 84 may also be back-filled through a CRS PNR download if the trip originated with a telephone request. The Corporate traveler 86 must enter an employee number 88 and the trip parameters 90 during the trip request process 84. After the trip request process 84 has been initiated, the employee record data 92 is retrieved from the employee profile database 94 located in the corporate database 18. The corporate travel policy data 96 from the corporate travel policy database 98 located in the corporate database 18 is also downloaded during the trip request process 84. The employee profile database 94 includes information such as seat preferences, special meals, frequent flier, account numbers, hotels, car rental, connecting flights, and airline equipment preferences.

[0056] The next step in trip planning 68 is the build itinerary process 100. The build itinerary process 100 allows the traveler 86 to enter basic trip parameters and either request a booking or make a booking with direct access to CRS 30 availability and fare information or allows the traveler 86 to pull up saved, repeat itinerary data 102 from the repeat itinerary file database 104 and provide a new departure date and autofilled trip parameters for use in an availability display. For routine trips, the traveler 86 may fill the trip parameters section from stored repeat itinerary data 106 and subsequently add, modify or delete segments for the itinerary of a specific trip.

[0057] For standard or non-routine trips, the build itinerary process 100 allows the traveler 86 to enter basic trip parameters such as departure date, time and city, arrival date, time and city, and hotel and car requirements. The traveler 86 will input in a batch all the travel requirements (air, hotel, car) grouped by segment. The build itinerary process 100 via communication with CRS 30 displays flight availability data 108, fare data 110 and highlights preferred vendor data from the corporate travel policy 112. The traveler 86 is able to make only one selection from the availability data 108 for each segment. The traveler 86 can change selection if desired using the display window. As selections are made, an in-process itinerary will be built and displayed to the traveler 86 showing information as it is selected or adding to what has been previously selected. The in-process itinerary will display the associated cost of each item as well as a running total of the entire trip, including air, hotel, car and a grand total.

[0058] From the availability data 108, the traveler 86 may request a list of preferred hotels in the destination city. The display will highlight which hotels can be booked via CRS 30 access and also those that would need to be contacted directly. The traveler 86 can re-

quest availability at one or more of the preferred hotels. The build itinerary process 100 also allows display of preferred chains as well as preferred hotels specified to a city location which are stored in the local property table 114.

[0059] The traveler 86 may request a list of preferred rental car vendors through CRS 30. Special negotiated rates for a vendor in a specific city stored in local car table 116, when present, will override the date returned from CRS 30. The build itinerary process 100 returns a queued PNR 118 including air, hotel and car requirements to CRS 30.

[0060] The trip planning process 68 further comprises the authorized trip request process 120. The authorized trip request process 120 provides for the routing of the trip request form to the appropriate authorizer (not pictured) and provides the authorization utility. Once authorized, the traveler 86 is notified of the authorization electronically. Actual routing of the trip request form is determined in the authorization table 122 and the travel policy table 98. The routing may be to a specific person or a specific manager position. The trip request form is electronically signed for the traveler 86 before it is routed for approval. The approver is able to review a version of the trip request form that allows the approver to view the completed itinerary, the cost, the purpose for the trip and the remarks fields. The approver is also able to review the traveler's 86 request for a travel cash advance.

[0061] If the approver does not approve the request, the authorized trip request process 120 requires that the approver input a description of the reason for disapproval. The trip request is then routed back to the originator of the request. If the originator was a travel arranger, a copy of the disapproval will be sent to the traveler 86. If the approver does approve the request, it is routed to the next processing step, for example, travel agency 26. The trip request form is electronically signed for the approver whether the request is approved or disapproved.

[0062] Another feature of the trip planning 68 is the cancel booking process 124 which allows the traveler 86 a quick means of cancelling a booked trip from the client workstation 12. The cancelled booking process 124 displays an abbreviated list of all booked trip records whose departure date is equal to or greater than today's system date. The traveler 86 receives stored trip data 126 from the trip table 128 and may select a stored trip to cancel from the list. Once a cancelled trip button is activated on the screen, the traveler 86 may send cancellation data 130 to the CRS 30. A response from the CRS 30 will be displayed back to the traveler 86 confirming the cancellation is complete.

[0063] Now referring to Fig. 5, a block diagram representing the update static tables process 70 of Fig. 3 is presented. All of the corporation's static tables are presumably part of the corporate centric client-server system 38 implementation process. Each corporation defines the static tables in order to start using the corporate centric client-server system 38. Typically, a system ad-

administrator inputs the update travel policy data 132, the update exception codes data 134, the update projects data 136, the update reason codes data 138, the update GL accounts data 140, the update department information data 142, the update category data 144, the update budget figures data 146, the update accounting periods data 148, the update expense policy data 150, the update employment profile data 152, the update company profile data 154, the travel policy table 98, the exception codes table 158, the project table 160, the validation error codes table 162, the GL accounts table 164, the department table 166, the expense categories table 168, the budget figures table 170, the accounting period table 172, the expense policy table 174, the employee profile table 94, and the company profile table 178, each of which are part of the larger corporate database 18. All static tables 70 have the ability to add new records, update existing records, and delete unused records.

[0064] Now referring to Fig. 6, the system administrator may update the static table 70 by inputting the update airline agreements data 180, the update carrier codes data 182, the update city/airport codes data 184, the update currency exchange rates data 186, the update car table data 190, the update property table data 192, the update chain codes data 194, the update currency codes data 196, and the update other codes data 198, respectively updating the airline agreements table 200, the carrier codes table 202, the city/airport codes table 204, the currency exchange table 206, the local car table 116, the local property table 114, the chain code table 212, the currency code table 214, and the other codes table 216, each of which are part of the corporate database 18.

[0065] Referring now to Fig. 7, a block diagram detailing the interface manager 72 of Fig. 3 is depicted. The interface manager 72 involves processing CRS 30 data which consists of five distinct processes: the drive GDS query process 218, the pull apart PNR process 220, the validate data fields process 222, the check policy process 224, and the modify trip record process 226. The drive GDS query process 218 resides on the CRS Supersaver 34 and serves to retrieve the GDS data 64 for each PNR. After the GDS data 64 is retrieved, the GDS data 64 is forwarded to the corporate database 18 where the parsing of the stream is performed and the trip is inserted into the interface manager table 228.

[0066] The pull-apart PNR process 220 reads GDS data 64 and maps the CRS elements to the interface manager table 228.

[0067] The validate data fields process 222 ensures the integrity of the data being inserted into the trip table 128. An incomplete PNR or a PNR containing a value that cannot be found in the static tables 70 will be rejected by the validate datafields process 222 and the queued for reprocessing through CRS 30. The PNRs which pass the validation data fields process 222 are assigned a unique trip number that does not already exist in the trip table 128 and such valid trips are inserted

into the trip table 128.

[0068] The check policy process 224 has a heirarchical order of application, for example, project policy takes precedence over employee policy and a negotiated hotel rate takes precedence over a company-preferred vendor. In the check policy process 224, each policy violation is flagged and the violation is assigned a code type based upon the nature of the violation. Depending upon how the violation is set up in the policy record, the violation will either simply be an item on a report, or it may be queued to an individual specified in the employee or project record for approval or rejection. The status of the violation is stored within the policy exception table 230. Data from trip table 128 is compared against data from the travel policy table 98, the local car table 116, the local property table 114, and the airline agreement table 200. If the check policy process 224 finds any violations, a code from the exception code table 158 is applied and then stored in the policy exceptions table 230.

[0069] The modify trip record process 226 allows the traveler 86 to maintain non-purged PNR's in the interface manager table 228. Maintenance may occur at two levels, a high-level delete of detail older than a specified date, or a modification utility which allows fixes to fields such as project I.D. which, once repaired, will enable the PNR to populate the trip table 128.

[0070] Now referring to Fig. 8, a detailed block diagram of the pre-trip management 74 of Fig. 3 is pictured. The analyze vendor goal share process 232 imports data from the local car table 116, the airline agreements table 200, the local property table 114, and the trip table 128. The analyze vendor goal share process 232 analyzes each preferred airline vendor on a specified city pair and divides the number of segments booked on that airline by the total number of segments booked and compares the obtained percentage with the share agreement for that airline.

[0071] The review and approve exceptions process 234 imports data from the trip table 128, the exception table 238, and the department roll-up table 236 and creates exception reporting for the overall corporation, an overall cost center, an individual, trend analysis, year-to-date totals, and chronic policy violators.

[0072] The destination analysis by date process 240 uses data from the trip table 128 and reports to the corporate travel manager all destination cities where multiple travelers 86 will be traveling on a given date or date range for the purpose of managing opportunities for obtaining zone fares or discounted group hotel rates.

[0073] The analyze booked versus budgeted travel and entertainment expense process 242 imports data from the trip table 128 and travel and expense budget table 244 to show projected cost of booked trips, a comparison between booked and budgeted expenses, and a trend analysis for forecasting if the travel budget will be met based upon trends.

[0074] The query unauthorized trips process 246 im-

ports data from the department roll-up table 236 and trip table 128 to provide department managers or corporate travel managers information regarding unauthorized trips that require either authorization or cancellation. Department managers or Corporate Travel Managers may either cancel or authorize trips and electronic notification of cancelled trips will be sent to the traveler 86.

[0075] The exception trends report process 250 imports data from the department roll-up table 236, the exception table 238, the trip table 128, the accounting periods table 172, and the calendar year table 248. The exception trends report process 250 provides a trend analysis of travel policy exceptions for a defined time frame. Both written and graphical reports show trends of exceptions by individual, by type, and by department as well as the known costs of those exceptions.

[0076] The vendor chain analysis process 252 imports data from the trip table 128, the chain codes table 212, the accounting periods table 172 and the calendar year table 248 and provides an analysis of the booked plus actual activity for a specific date range for a given hotel or car chain. The output includes a total transaction count for number of room/nights or car/days plus a summary of the dollar value of each transaction as well as an average room/car nights per booking and average daily rates.

[0077] Now referring to Fig. 9, a detailed block diagram of the utility functions 76 of Fig. 3 is depicted. The import back office data process 254 creates an electronic handoff of data from agency back office system 256 such as ADS or TravelBase, at a defined frequency. The import back office data process 254 is a means by which agency invoice numbers associated with tickets, refunds or exchanges are obtained by the corporate database 18.

[0078] The extract summary trip data process 258 provides nightly updates to the trip table 128 and provides data to the summary air trip table 260 and summary city trip table 262.

[0079] The archive/delete expense detail process 264 allows input of date parameters such that select expense detailed records that match date parameters are purged from the expense detail table 266 and placed in the archive expense table 268.

[0080] The archive/delete trip detailed process 270 allows input of the date parameters such that select trip records that match date parameters are purged from the trip table 128 and placed in the archive table 272.

[0081] Now turning to Fig. 10, a detailed block diagram of the expense reporting 80 from Fig. 3 is pictured. The create expense form process 274 provides secured access to the expense forms, autofills the forms with data from the employee profile table 94 and allows the traveler 86 to construct an expense report semi-automatically as well as by pulling stored data from the trip table 128. The create expense form process 274 imports data from the expense category table 168, the expense policy table 174, and the travel policy table 98

and provides this information to the traveler 86 so that the traveler 86 can construct a policy compliant expense report.

[0082] The create expense form process 274 also imports data from the currency exchange table and allows the traveler 86 to process currency exchange conversions. When the traveler 86 has completed the expense report, a filled expense form is electronically forwarded to the expense form table 276, where it is assigned a unique expense form number. The number is assigned the first time an expense form is saved. The number is associated with a optional receipt envelope which may be printed at any time after the initial saving of the expense report has taken place. There is also a traveler reference number to support pre-bar coded envelopes for receipts.

[0083] The update expense form process 278 allows the traveler 86 to modify or cancel an expense report. The traveler 86 may import expense form data from expense form table 276 and modify an expense form until it has been approved or may pull up disapproved expense forms for modification and resubmission. An unsubmitted or disapproved expense report may also be cancelled.

[0084] The perform validations process 280 checks an expense form against data from the travel policy table 98 to identify unapproved policy violations. Policy violations on the expense form are highlighted and the approver has access to explanations for each of the errant fields. The approver will be able to approve the violations or return the form to the traveler 86 with comments.

[0085] The approve expense form process 282 comprises two methods of expense approval. First, the manager level approval gives the manager the option of rejecting an expense form if, for example, it exceeds the data provided from the average cost table 284. If the manager rejects the expense form, it can be routed back to the traveler 86 with comments. If the manager approves the expense form, it is routed to the Accounts Payable 286 for further processing. All approved expense data is also routed to the expense totals table 288. In the second case, the corporation can define situations when approval will be automatic and the expense form is routed directly to the Accounts Payable department 286.

[0086] Now turning to Fig. 11, a detailed block diagram of the post-trip management 82 of Fig. 3 is depicted. The analyze air usage process 290 imports data from the trip table 128, the airline agreements table 200, and the summary air city table 292. The analyze air usage process 290 reports the percentage of goal share achieved for a specified city pair carrier, percent of goal share achieved for a carrier overall, overall usage for a given city pair, overall air cost for a given city pair, and average leg fare cost for a given city pair.

[0087] The analyze car usage process 294 imports data from the local car table 116, the trip table 128 and the summary trip table 296. The analyze car usage proc-

ess 294 reports percent of goal share achieved for specified chain in a specified city, percent of goal share achieved for chain overall, overall usage for a given city, overall car dollar spent in a given city, overall chain usage, and average car rental day cost in each city. The analyze hotel usage process 298 imports data from the local property table 114, the summary trip table 296 and the trip table 128.

[0088] The analyze hotel usage process 298 reports percent of goal share achieved for a specified hotel chain in a specified city, percent of goal share achieved for a chain overall, overall usage for a given city, overall hotel dollars spent in a given city, overall chain usage, and average hotel night cost in each city.

[0089] The analyze policy exceptions process 300 imports data from the expense table 288, the expense category table 168, the department roll-up table 302, the trip table 128, the employee/department table 304, the travel policy table 98, and the exception data and summaries table 306. The analyze policy exceptions process 300 creates on request reports, for example; for monthly reporting of exceptions by employee and by type, overall monthly exception trends by employee and type, overall monthly exception trends by department and type, and overall exceptions by type and monthly trends.

[0090] The analyze expenses process 308 imports data from the expense summaries table 310, the expense table 288, the expense category table 168, the department roll-up table 302, the employee/department table 304, and the travel and expense budget table 244. The analyze expenses process 308 creates a report that shows trends by overall company, summary by department, summary by project, and summary by employee.

[0091] The ticket tracking process 312 imports data from the trip table 128 and the expense trip table 314. The ticket tracking process 312 reports on the status of any given ticket, lists tickets older than a given number of days that have not appeared on an expense report or been refunded or voided, lists tickets returned for refund which have not been credited, and reports unrefunded tickets or miscellaneous change orders available for exchange.

[0092] Now turning to Fig. 12, a detailed block diagram of post-trip management 82 of Fig. 3 is detailed. The analyze employee expenses process 316, uses data from the expense employee summary table 318, the average costs table 284, the expense category table 168, the city/airport codes table 204, and the employee profile table 94. The analyze employee expense process 316 summarizes for a given time period employee expenses by category as well as shows trends in employee expenses by category.

[0093] The analyze company expenses process 318 uses data from the company profile table 178, the average costs table 284, the expense category table 168, the city/airport codes table 204, the department table 320, the project detail table 322, the expense project

summary table 324, the expense company summary table 326, the department roll-up table 302, and the travel and expense budget table 244. The analyze company expenses process 318 creates a summary for a given time period of company expenses by category and by project as well as trends in company expenses by project and by category.

[0094] The analyze department expenses process 328 imports data from the employee profile table 94, the city/airport codes table 204, the expense department summary table 330, the department table 320, the project detail table 322, the expense project summary table 324, the department roll-up table 302, the travel and the expense budget table 244, the expense table 288, the average costs table 284, and the expense category table 168. The analyze department expenses process 328 creates a summary for a given time period of departmental expenses by category and by project. The analyze department expenses process 328 also reports trends in departmental expenses by category and by project.

[0095] Now turning to Fig. 13, a detailed block diagram of another aspect of the post-trip management 82 of Fig. 3 is depicted. The employee trip policy violations process 330 imports data from employee trip exception the summary table 332, the carrier codes table 202, the trip exception table 334, the travel policy table 98, the expense detail table 336, the trip table 128, the car type codes table 338, the chain codes table 212, the city/airport codes table 204, the exception codes table 158, the expense category table 168, and the employee profile table 94. The employee trip policy violations process 330 creates a summary for a given time period of employee trip violations by category and violation trends by category.

[0096] The department trip violations process 340 imports data from the department trip exception summary table 342, the travel policy table 98, and the city/airport codes table 204. The department trip policy violations process 340 creates a summary for a given time period of department trip violations by category and reports trends in department trip violations.

[0097] The department expense policy violations process 344 uses data from the city/airport codes table 204, the exception codes table 158, the expense category table 168, the average costs table 284, the expense policy table 174, the department expense exception summary table 348, the company expense exception summary table 350, and the department table 320. The department expense policy violations process 344 creates a summary for a given time period of departmental expense policy violations by category and trends in departmental expense policy violations. The employee expense violations process 352 uses data from the employee profile data base 94, the average costs table 284, the expense policy table 174, the expense detail table 346, the expense explanations table 354, the expense policy exceptions table 356, the company expense

pense exception summary table 350, and the employee expense exception summary table 358. The employee expense violations process 352 creates a summary for a given time period of employee expense violations by category and trends in employee expense violations.

[0098] Now turning to Fig. 14, which consists of Figs. 14A-14X, which are drawings that depict graphical user interfaces for trip planning module 68 as described above in reference to Fig. 4. The traveler 86 places a cursor 360 on the New Trip icon 362 and energizes the New Trip icon 362. The traveler 86 then enters the purpose of the trip and charge center for the trip and purpose of trip in the Charge Center window 364 then energizes Okay button 366 with cursor 360. The traveler 86 selects origination and destination data in Flight Request-Segment 1 window 368 and energizes the Search button 370 with the cursor 360. The traveler 86 selects a flight from the Flight List window 372 which makes a record of the flight in the Trip Activity Log 374 and the Calendar 376. The traveler 86 selects the Continuing Trip icon 378 and selects an origination and destination in the Flight Request-Segment 2 window 380. The traveler 86 selects flight data from the Flight List window 82 and a record of the selected flight is made in the Trip Activity Log 374 and the Calendar 376.

[0099] The traveler 86 selects the Hotel icon 384. From the Hotel Request Information window 386, the traveler 86 may search for hotels in the destination city. The traveler 86 selects from a list of hotels from the Hotel List window 388. A record of the hotel selection is made in the Trip Activity Log 374 and on the Calendar 376.

[0100] The traveler 86 may select the Rental Car icon 390 to see the Car Request Information window 392. After energizing the Search button 394, the traveler 86 receives a list of available cars and prices in the destination city from the Car List window 396. After the traveler 86 selects a car, a record of the car selected is made in the Trip Activity Log 374 and on the Calendar 376.

[0101] The traveler 86 selects the Cost icon 398 to view the Trip Price Information window 400. From the Trip Price Information window 400, the traveler 86 may search for cheaper flights by energizing the Search for Cheaper Flights button 402 which brings up the Bargain-FinderPlus Parameters window 404. From the Bargain-FinderPlus Parameters window 404, the traveler 86 may search for cheaper flights by selecting from a menu of parameters. After completing the search, results are displayed from the BargainFinderPlus Search Results window 406 from which the traveler 86 may select from a menu of flights. The traveler 86 may select a different flight by energizing Yes button 408 in the Replace Flights Message window 410. A record of this transaction is made by updating the Trip Activity Log 374 and the Calendar 376.

[0102] The traveler 86 may confirm ticketing by energizing the Confirm Ticketing icon 412. From the Confirmation-Ticket Delivery window 414, the traveler 86 may choose a method for obtaining tickets by energizing

Okay button 416. The travel Itinerary window 418 is then displayed for the traveler 86.

[0103] The traveler 86 may create a reservation by pressing the Finish icon 420. If the traveler 86 wishes to finish the reservation process and send it on to the travel agency for processing, the traveler 86 may energize Yes button 422 in the Finish Reservations window 424. The resulting display shows the the Trip Activity Log 374 and the Calendar 376 with current travel information.

[0104] Now turning to Fig. 15, which consists of Figs. 15A-15G, which are diagrams of graphical user interfaces for repeat trip planning as described above in reference to Fig. 4. The traveler 86 energizes the Frequent Trip icon 426 to receive a menu of frequent trips in the Frequent Trip window 428. The traveler 86 then requests additional details from a selected frequent trip by energizing the Details button 430. If the appropriate frequent trip was selected, the traveler 86 energizes Okay button 432 from the Frequent Trip Details window 434. The traveler 86 then energizes the Select Trip button. 436 from the Frequent Trip window 428. The traveler 86 then inputs the date on which travel will begin and energizes the Reserve button 438 in the Frequent Trip Dates window 440. As this information is being processed, the Frequent Trip-Reserving window 442 is viewed by the traveler 86. If Cancel button 444 is not depressed, the Frequent Trip Completed window 446 is displayed and the traveler 86 finishes the reservation process by energizing Yes button 448.

[0105] Now turning to Fig. 16, which consists of Figs. 16A-16M, which are diagrams of graphical user interfaces for creating an expense report as described above in reference to Fig. 10. The traveler 86 selects New Expense Report icon 450 or Modify Expense Report icon 452 from the Expense Report window 454 which shows the status of saved expense reports in an Expense Report Log window 456. Energizing the New Expense Report icon 450 or the Modify Expense Report icon 452 brings up the Expense Data Range window 458, from which the traveler 86 enters or the corporate database 18 autofills date, project and purpose of the trip/expense parameters. The traveler 86 then energizes the Okay button 460 to view the Air Item Detail window 462 from which the traveler 86 enters or the corporate database 18 autofills charge parameters for the selected city pair 464. The traveler 86 may also enter an explanation of expenses in the Explanation window 466.

[0106] The traveler 86 then energizes the Okay button 468 to view the Car Item Detail window 470 from which the traveler 86 enters or the corporate database 18 autofills car rental and car receipt parameters. The corporate database 18 also provides corporate policy data 472 to the traveler 86. The traveler 86 then energizes the Okay button 474 to view the Hotel Item Detail window 476 from which the traveler 86 enters or the corporate database 18 autofills hotel booking and hotel receipt parameters. The traveler 86 then energizes the Okay button 478 to view the Meals Detail window 480

from which the traveler 86 enters or the corporate database 18 autofills reimbursement parameters. The traveler 86 then energizes the Okay button 478 to view the Business Entertainment Detail window 484 from which the traveler 86 enters or the corporate database 18 autofills entertainment parameters. To return to the Expense Report window 454, the traveler 86 energizes the Okay button 486.

[0107] The traveler 86 may select the Calculate Totals icon 488 to bring up the Calculate Totals window 490. Expense are totaled by date or by type for the traveler 86. The traveler 86 may also input payment instructions.

[0108] The traveler 86 may check for policy compliance by energizing the Check Policy button 492 from the Calculate Totals window 490 of the Check Policy icon 494 from the Expense Report window 454. The traveler 86 views the Check Policy Compliance window 496 while the system does a policy check. The traveler 86 may request explanation of policy violations by energizing the View Exceptions button 498. The traveler 86 may also energizing the Okay button 500 to view the expense report in Expense Report window 502. The traveler 86 submits the expense report for approval by energizing the Submit for Approval icon 504.

[0109] Although the invention has been described in detail, it is to be clearly understood that the same is by way of illustration and example only and is not to be taken by way of limitation, the spirit and scope of the invention being limited only to the terms of the appended claim.

Claims

1. A client-server system for corporate traveler planning, expense reporting and travel management comprising:

a computerized reservation system;
a relational database server communicably linked to the computerized reservation system;
a traveler planning, expense reporting and travel management system resident within a personal computer providing a graphical user interface for communication between the corporate traveler, at least one travel agency, the traveler planning, expense reporting, and travel management system and the relational database server; and

wherein the traveler planning, expense reporting and travel management system includes:

a travel planning module having an automatic travel request approval device for automatically approving travel requests made by the traveler before travel expenses are incurred and a se-

ries of graphical user interfaces for allowing at least one traveler to plan and book routine and non-routine trips that include at least one selected from a group comprising air, hotel, and car accommodations and communicate the traveler's planned and booked routine and non-routine trips to the travel agency for post planning and booking processing; a travel expense reporting module having an expense report approval and routing device for automatically approving and routing expense reports; and a travel decision maker module configured for incorporating information from the travel planning module and the expense reporting module and providing pre-travel and post-travel reporting.

2. The client-server system for corporate traveler planning, expense reporting and travel management as recited in claim 1 wherein the relational database server stores traveler and corporate profiles which interfaces between the traveler planning, expense reporting and travel management system and the computerized reservation system.

3. A system for managing travel of an enterprise, comprising:

a storage subsystem reflecting travel information for the enterprise, including requested travel plans and corresponding expense data;
a memory having program instructions; and
a processor operating in response to the program instructions to

receive a request to book a travel plan from a traveler;
determine whether the traveler's requested travel plan complies with travel policies associated with the enterprise;
selectively allow the traveler to complete a travel reservation based on whether the traveler's requested travel plan complies with the travel policies and communicating the completed travel reservation to a travel agency for post reservation processing; and
compute expense data corresponding to the traveler's requested travel plan.

4. The system of claim 3, wherein the processor is further configured to provide the traveler with access to a computerized reservation system for receiving the traveler's completed travel reservation.

5. A client-server system for corporate traveler planning, expense reporting and travel management comprising:

a computerized reservation system;
 a relational database server communicably
 linked to the computerized reservation system;
 a traveler planning, expense reporting and travel
 management system resident within a personal
 computer providing a graphical user interface
 for communication between the corporate
 traveler, at least one travel agency, the
 traveler planning, expense reporting and travel
 management system and the relational data-
 base server;

wherein the traveler planning, expense reporting
 and travel management system is configured
 for selectively allowing the traveler to complete
 a travel reservation and communicate the completed
 travel reservation to the travel agency for post
 reservation processing; and

wherein the series of graphical user interfaces
 are configured to allow the traveler to retrieve repeat
 trip data from a repeat trip file database and
 complete a modified travel reservation for a modified
 travel plan based on the repeat trip data.

6. The client-server system for corporate traveler
 planning, expense reporting and travel management
 as recited in claim 5, wherein the series of
 graphical user interfaces are configured to allow the
 traveler to cancel a completed travel reservation.
7. The client-server system for corporate traveler
 planning, expense reporting and travel management
 as recited in claim 5 wherein the traveler planning,
 expense reporting and travel management system
 includes an automated approval device for
 selectively obtaining corporate approval for a traveler's
 requested travel plan.
8. The client-server system for corporate traveler
 planning, expense reporting and travel management
 as recited in claim 7, wherein the automated
 approval device determines whether the traveler's
 requested travel plan complies with a set of policy
 preferences according to a selected relationship
 among policies within the set of policy preferences.
9. The client-server system for corporate traveler
 planning, expense reporting and travel management
 as recited in claim 7, wherein the set of policy
 preferences include a project policy preference that
 takes precedence over an employee policy preference.
10. The client-server system for corporate traveler
 planning, expense reporting and travel management
 as recited in claim 7, wherein the set of policy
 preferences include a negotiated hotel rate policy
 preference that takes precedence over a corporate-

preferred vendor policy preference.

11. A computer-implemented method of managing travel
 for an enterprise, comprising the steps of:

receiving a request to book a travel plan for a
 traveler;
 determining whether the travel plan complies
 with a set of travel policies according to a travel
 policy hierarchy that defines a relationship between
 each travel policy within the set of travel
 policies;
 computing expense data corresponding to the
 travel plan; and
 maintaining a storage subsystem reflecting
 travel information for the enterprise, including
 requested travel plans and corresponding expense
 data.

12. The method of claim 11, wherein the set of travel
 policies includes a project policy, an employee policy,
 a negotiated hotel rate policy, and an enterprise-
 preferred vendor policy such that, when determining
 whether the travel plan complies with the set of
 travel policies, compliance of the travel plan with the
 project policy takes precedence over the employee
 policy, the negotiated hotel rate policy, and the
 negotiated hotel rate policy takes precedence over the
 enterprise-preferred vendor policy.

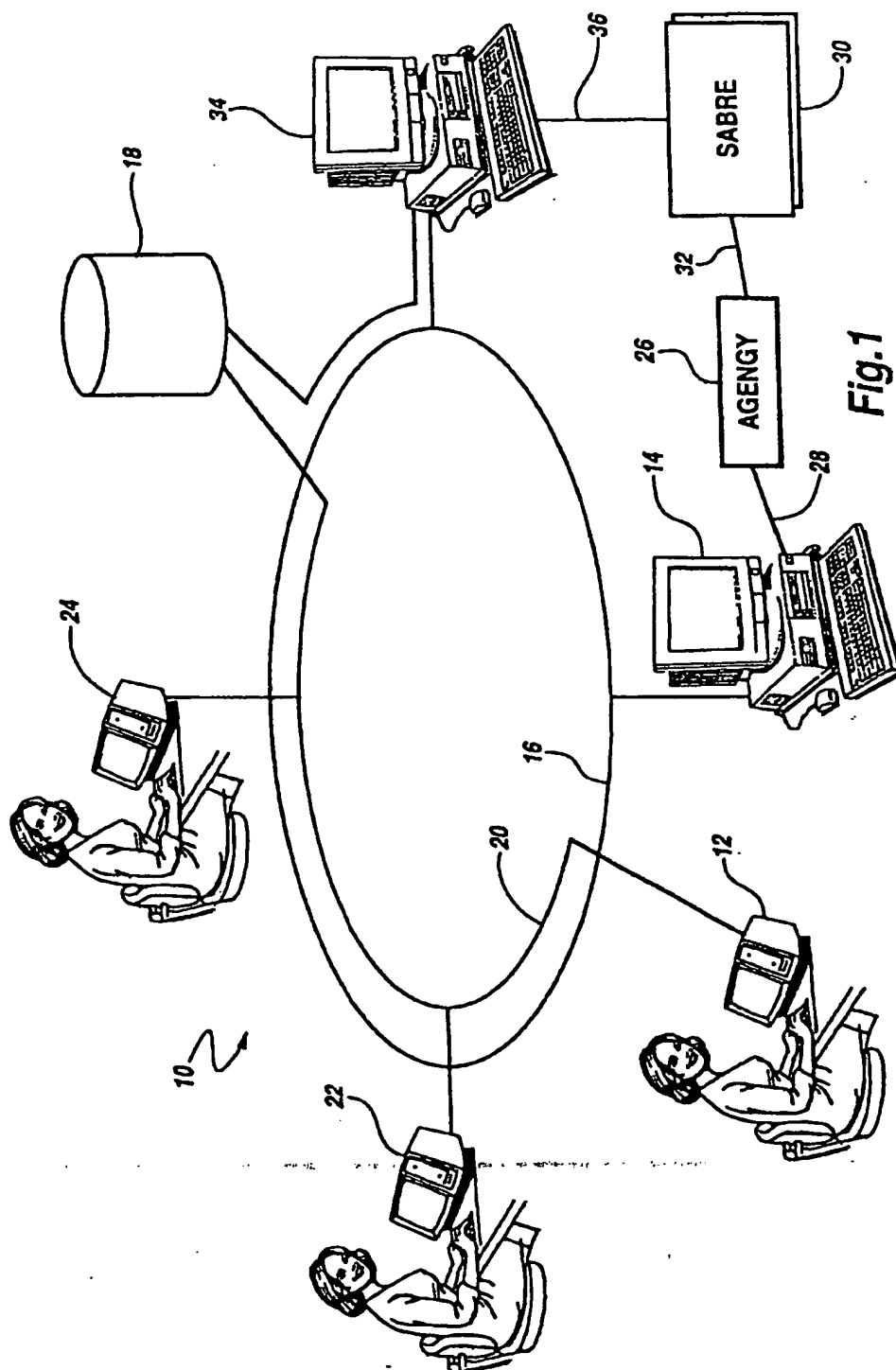
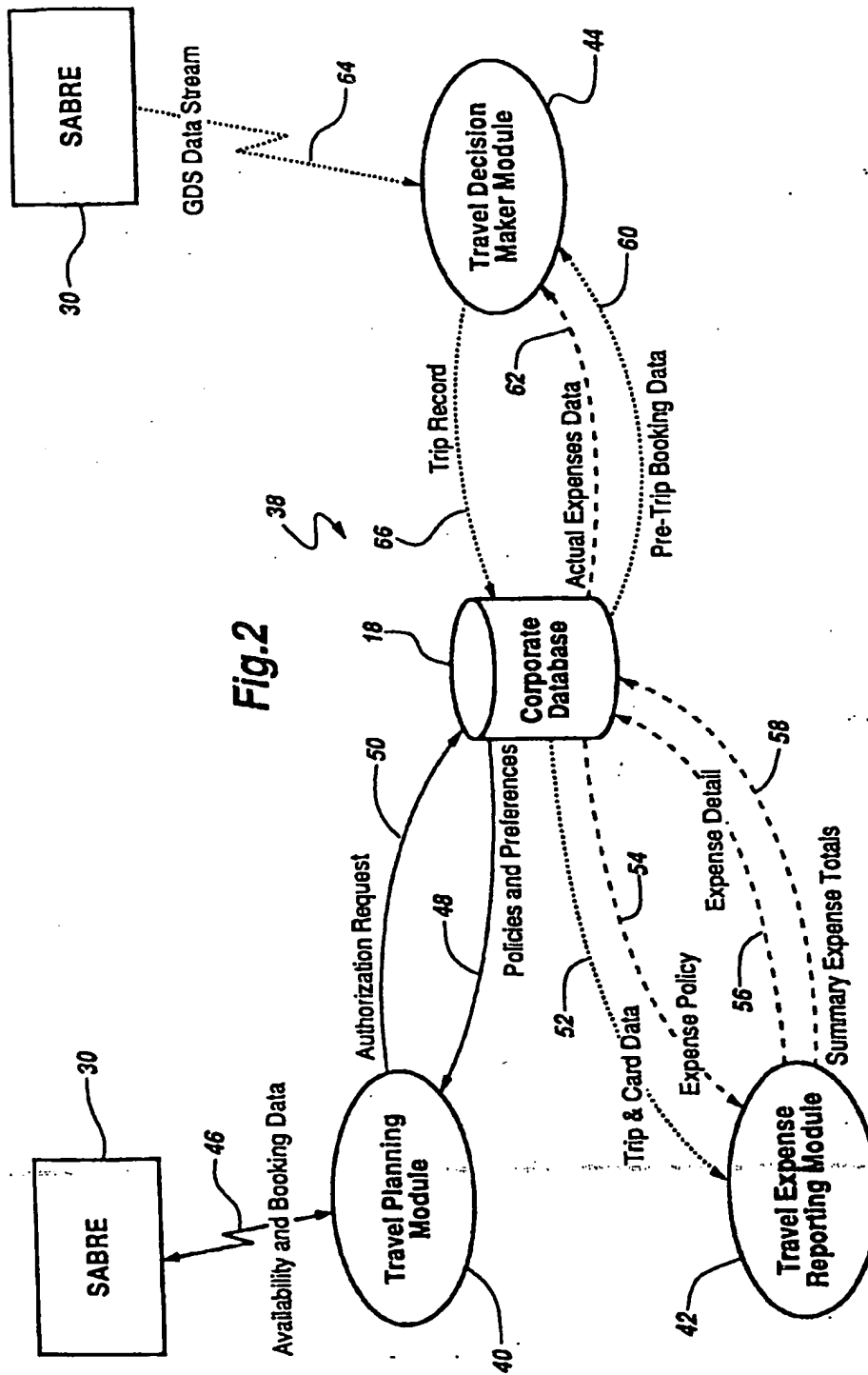


Fig. 1



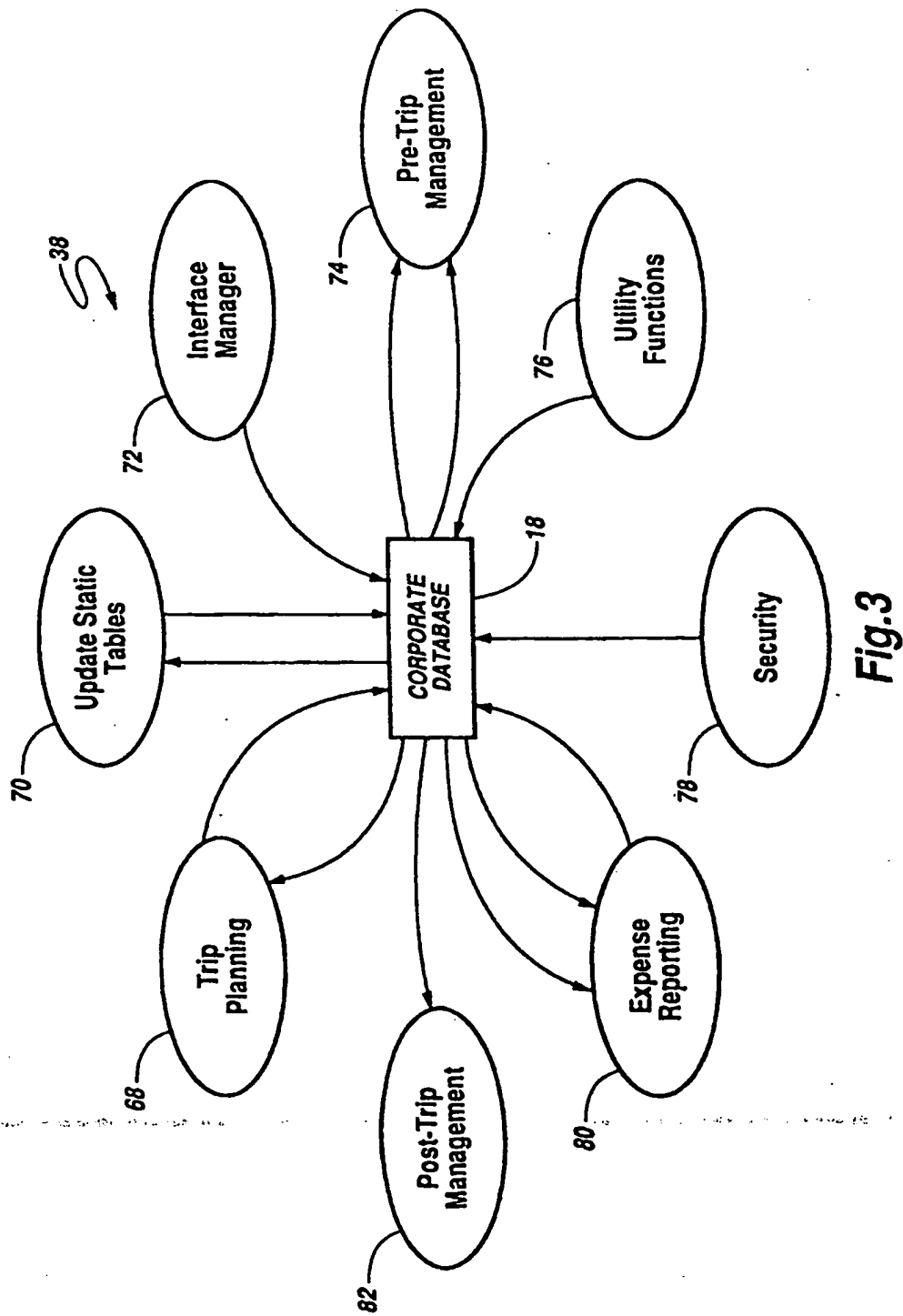


Fig.3

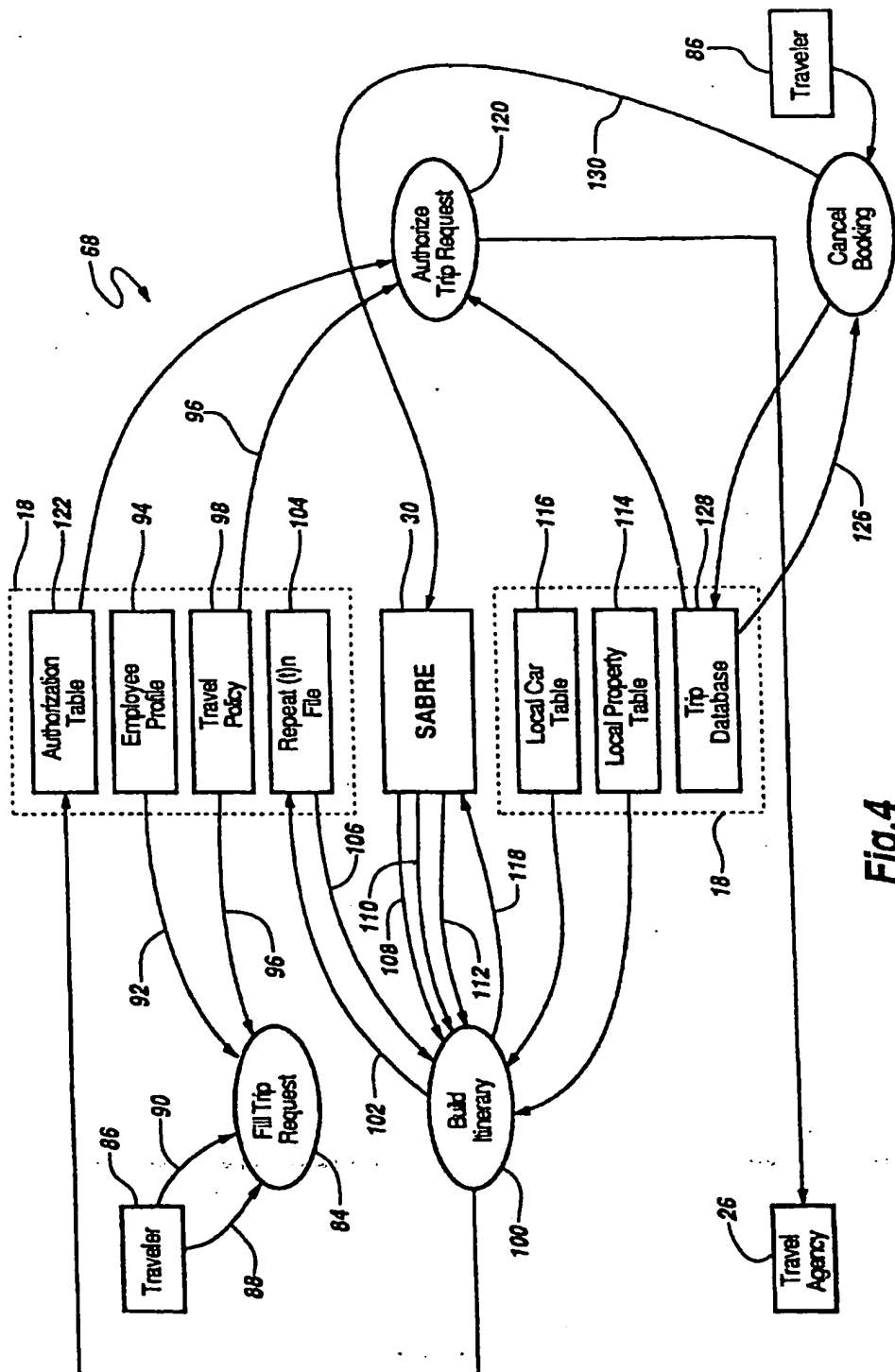


Fig.4

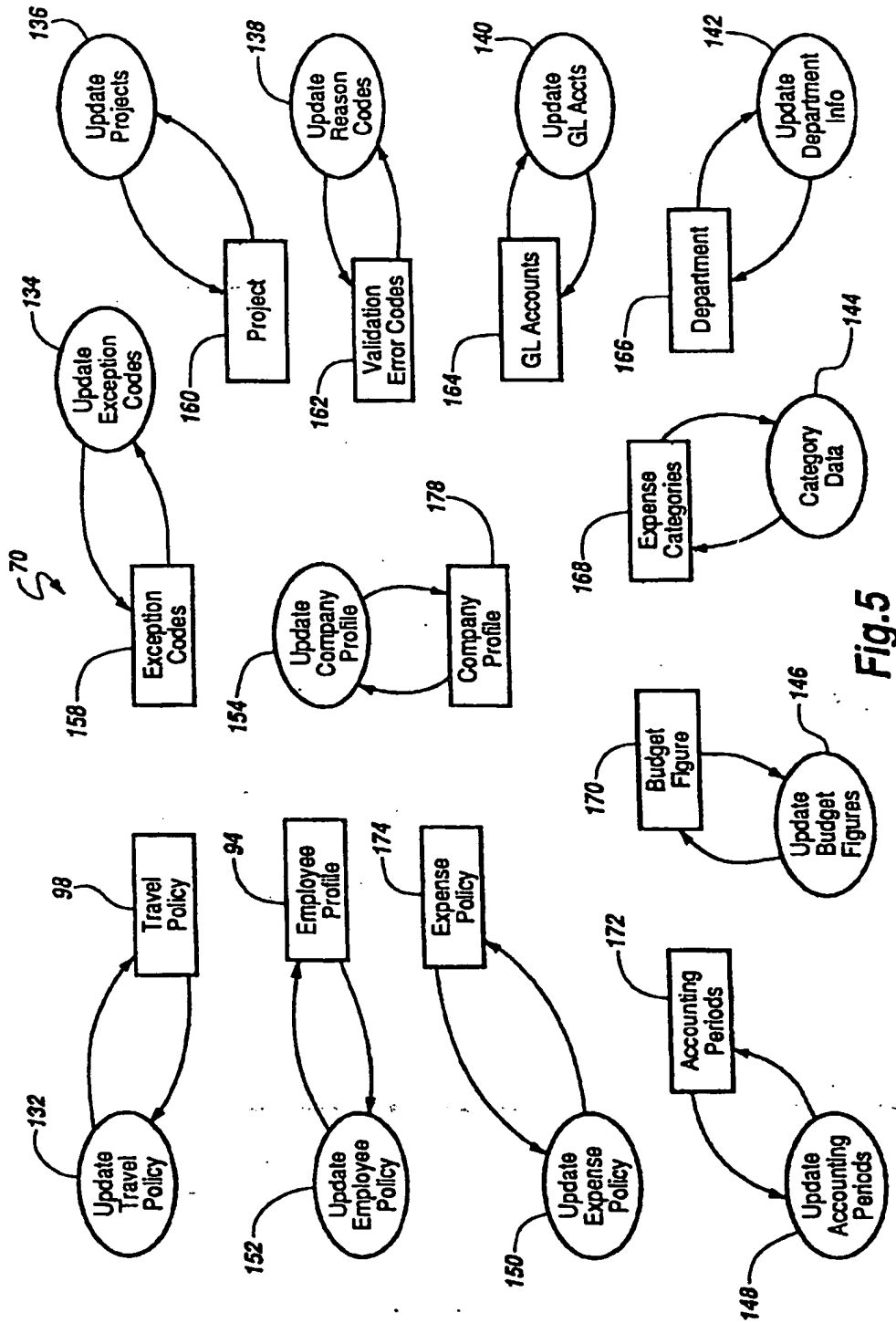


Fig. 5

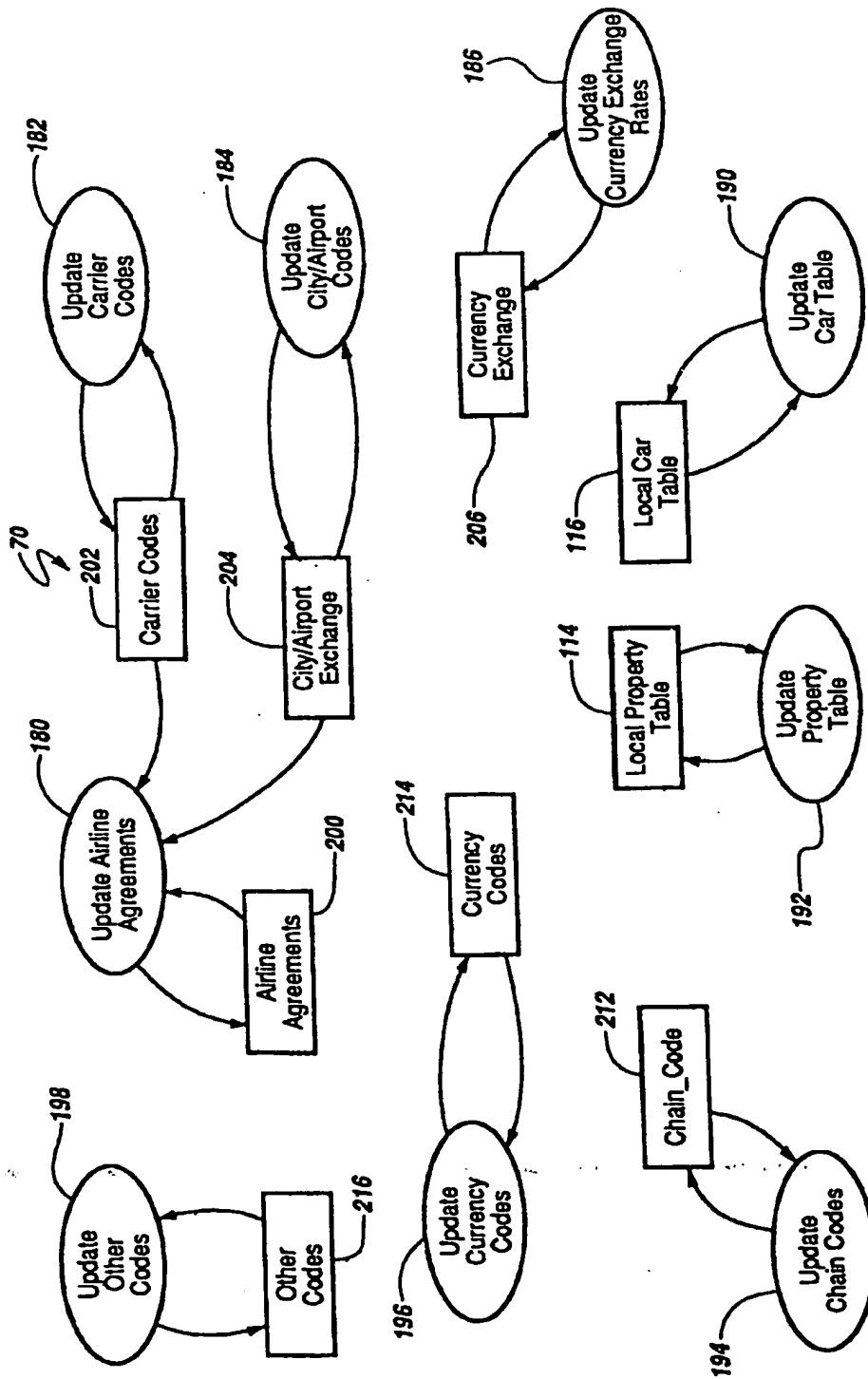


Fig. 6

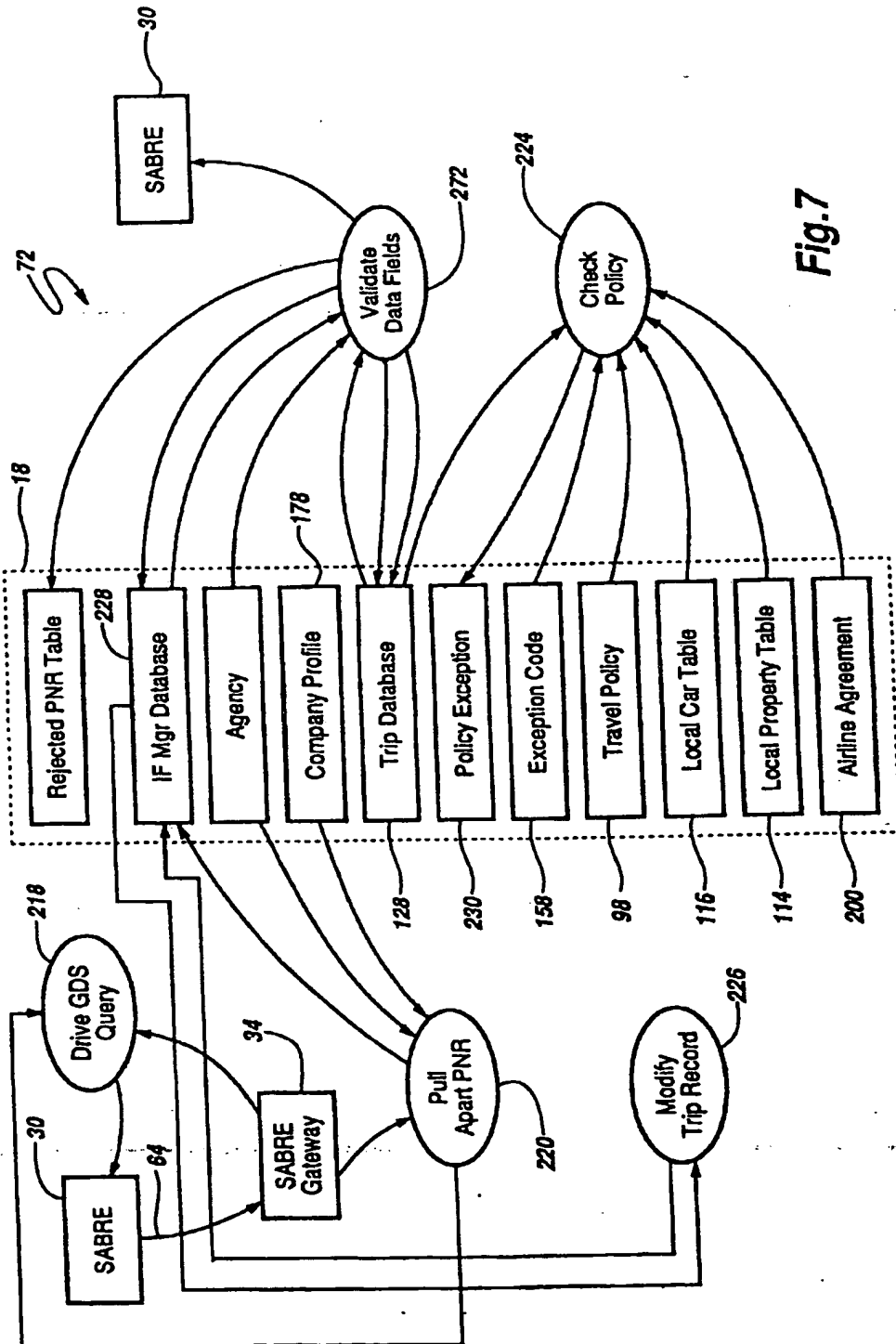


Fig.7

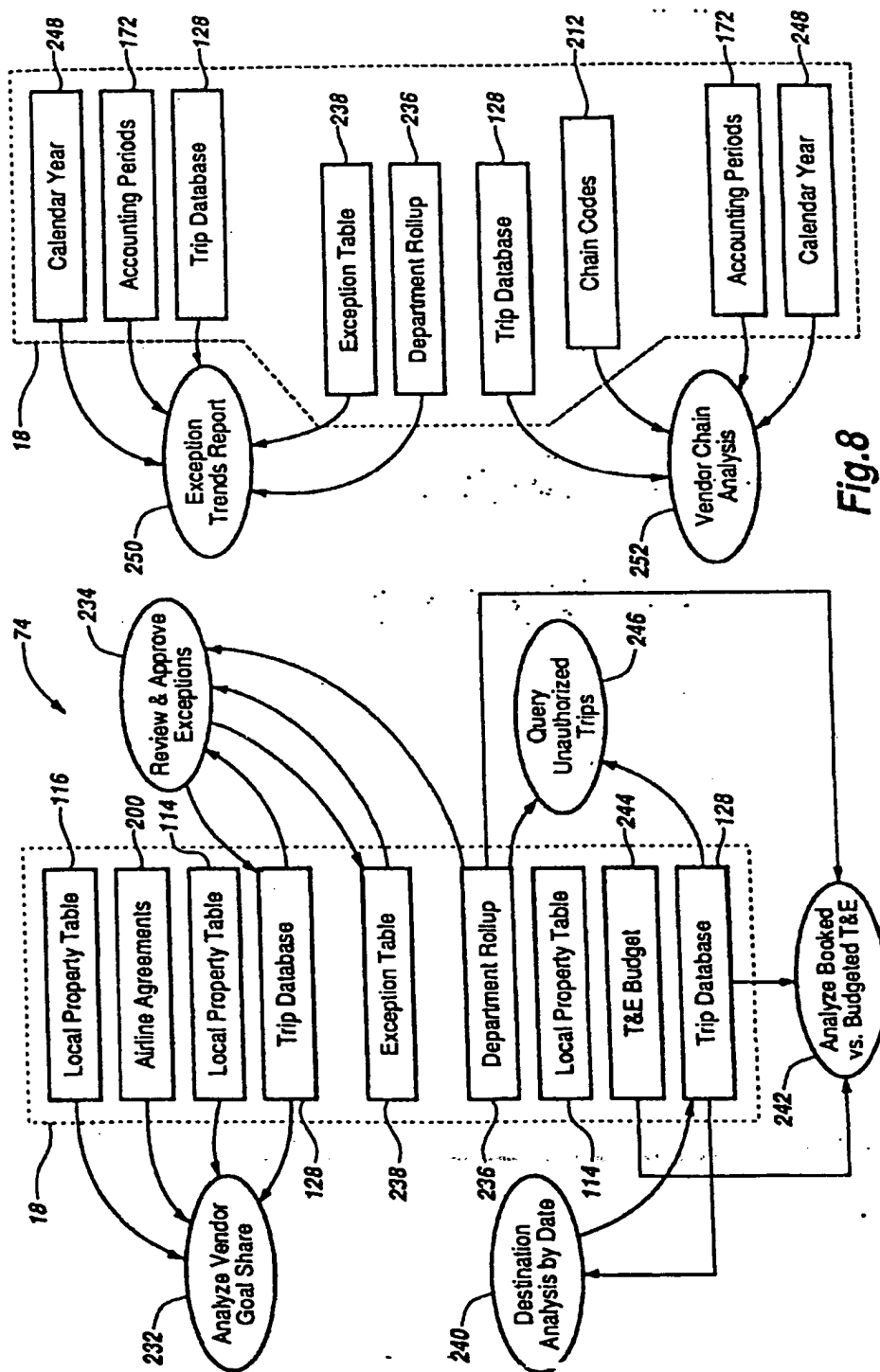


Fig.8

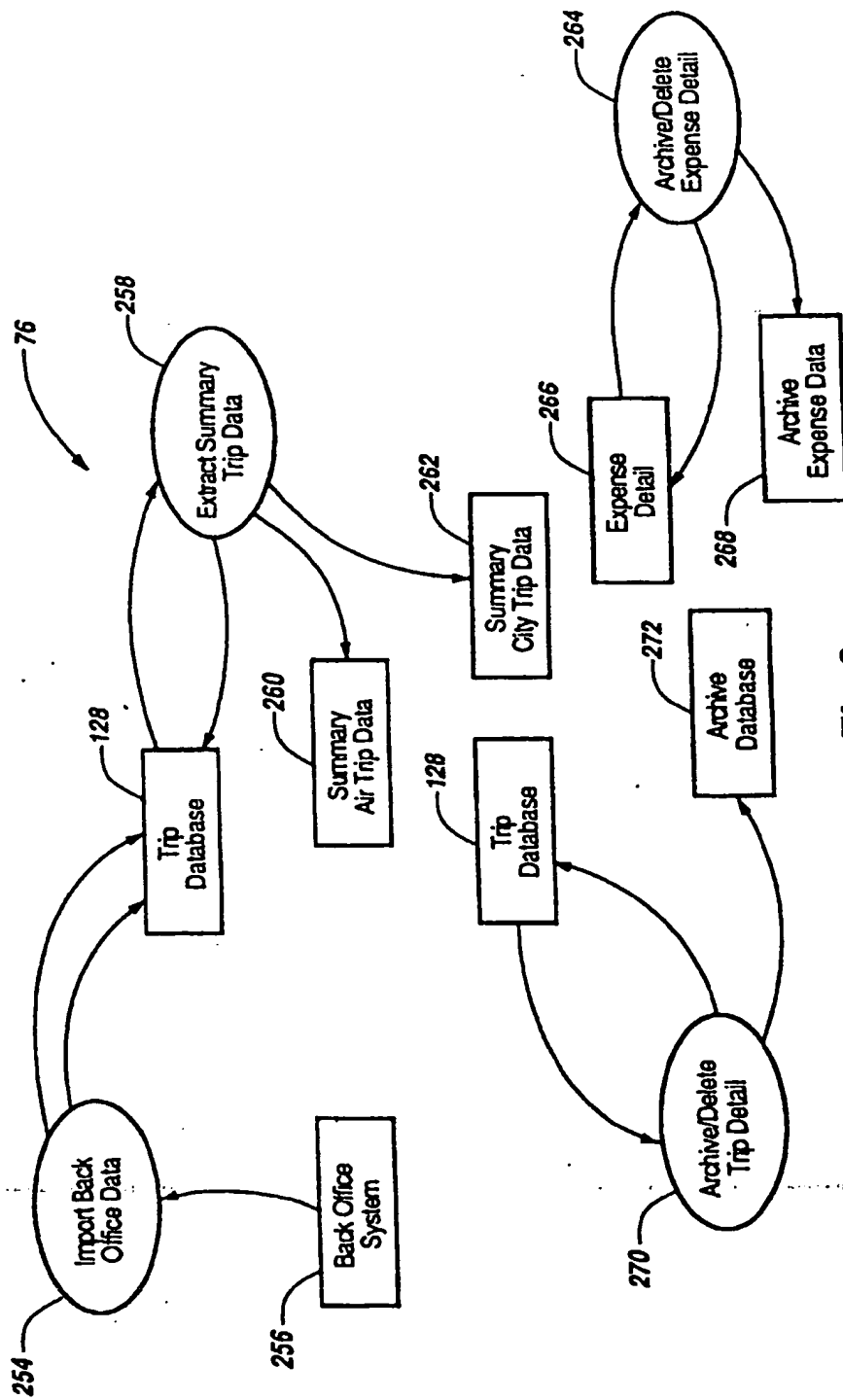
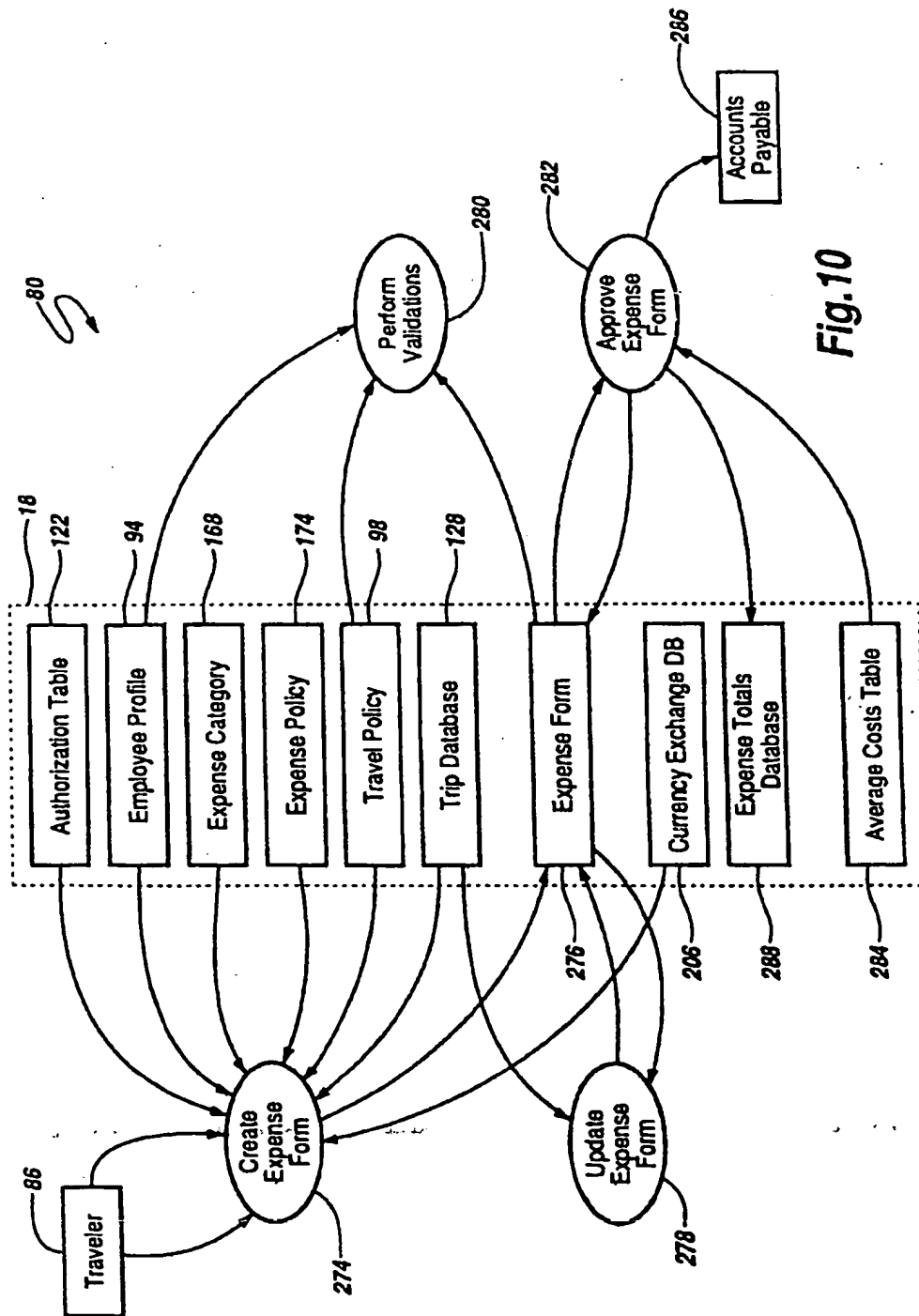


Fig.9



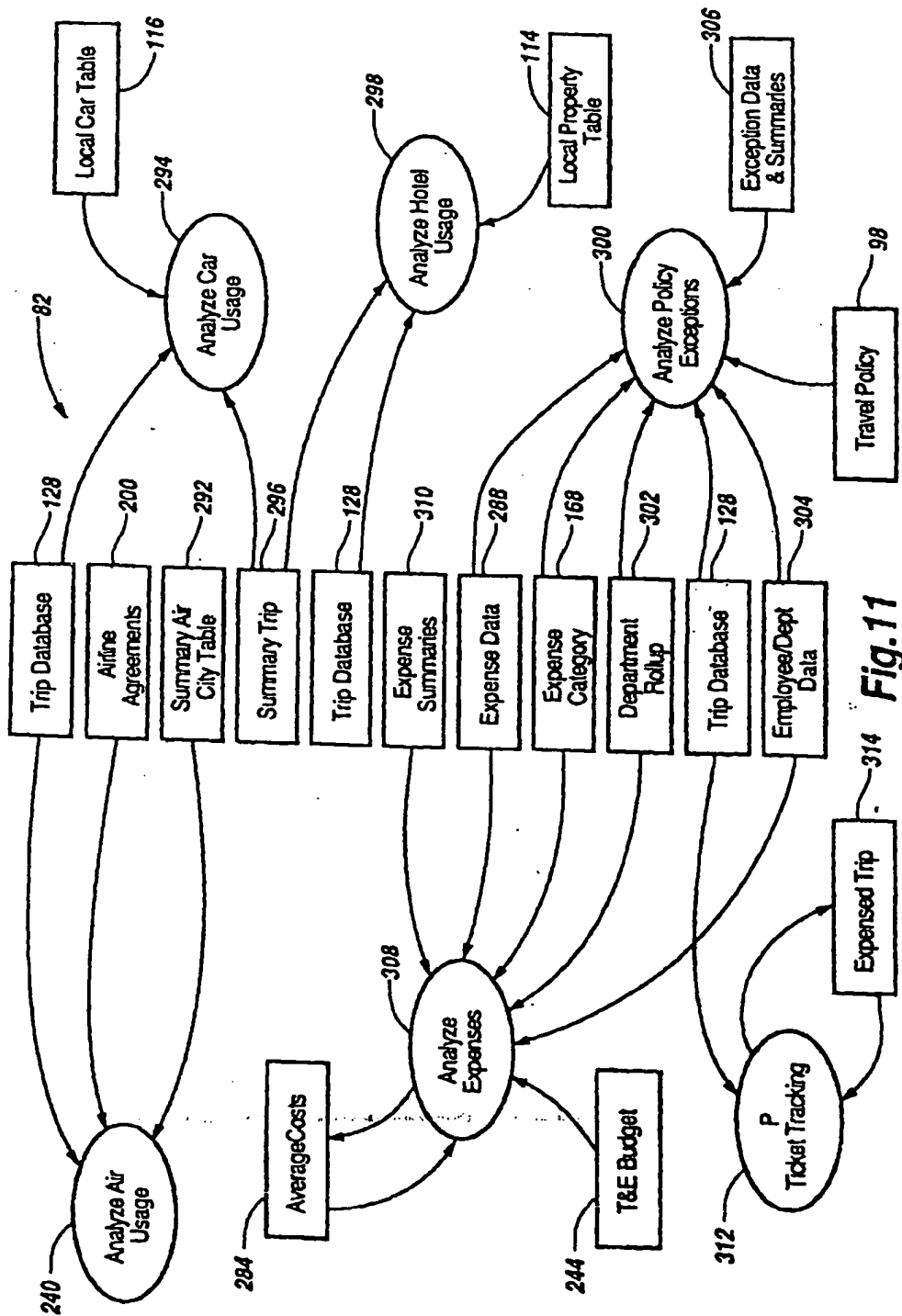


Fig. 11

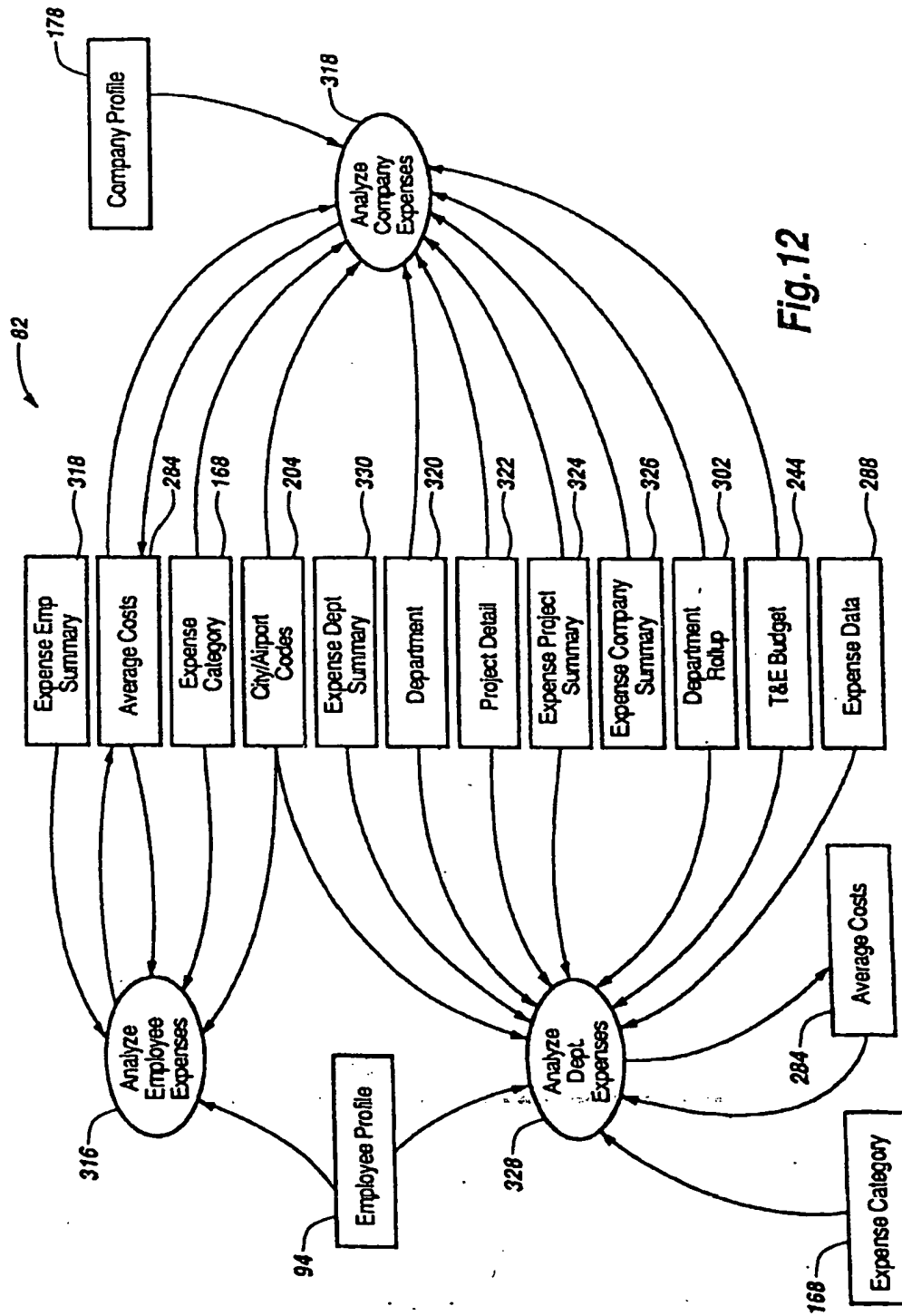


Fig. 12

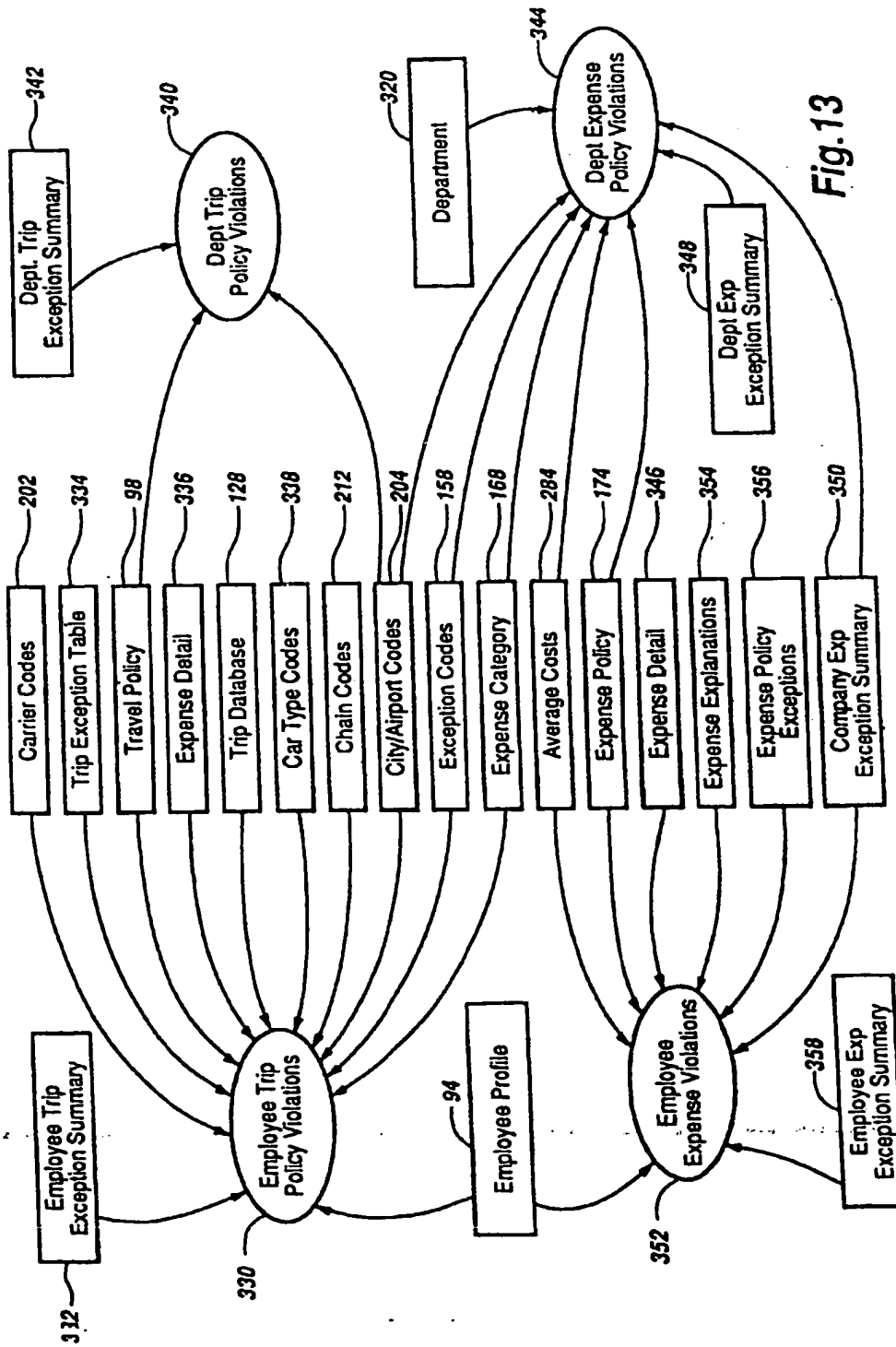


Fig.13

Fig. 14A

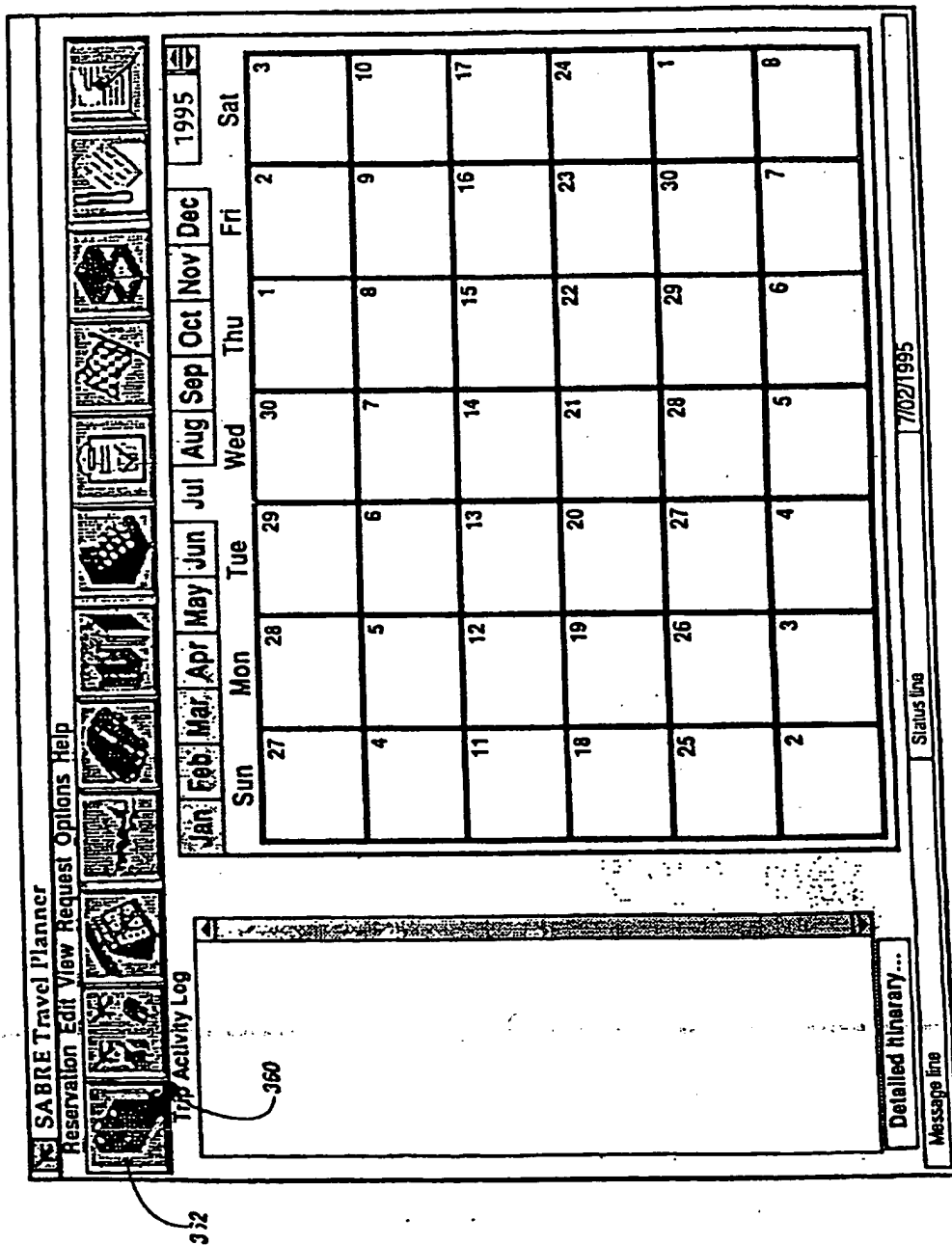


Fig.14B

SABRE Travel Planner

Reservation Edit: View Request Options Help

Trip Activity Log

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

1995

Reserved:

American 222

Depart:DFW 6

July 6,1995

Arrive:ORD 8

July 6,1995

Reserved:

Budget Rental

ORD Airport

Pick-up: 9:10

July 6, 1995

Drop-off: 5:00

July 6, 1995

2 days \$109.00

Reserved:

Holiday Inn

Mart Plaza

Chicago, IL

Check-in 5:00P

July 6, 1995

Check-out: 11:00A

James P. Kelvin

ACME Products

Purpose of Trip:

Charge Center for this Trip:

OK

Cancel

?

25

26

27

28

29

30

31

2

3

4

5

6

7

8

1

2

3

9

10

17

24

Message line

Status line

7/02/1995

28

Fig. 14C

SABRE Travel Planner
Reservation Edit View Request Options Help

Trip Activity

Flight Request-Segment 1

Origin and Destination			
From	Dallas, TX-DFW-DFW Int'l	↓	
To	Chicago, IL-ORD-O'Hare Int'l	↓	
Date	07/06/95	012	
Time	8:30 AM	○ Depart ● Arrive	
Fare Desired	Lowest Available	↓	

☐ All flight types: non-stops, directs, and connections
☒ Direct Flights
☒ Non-stops
☒ Direct with stop(s)
☐ Connections

Through [] and 4 hours

Connecting times between 0 and 4 hours

Search
Request Only
Cancel
Comment
References
Special Services
?

1995 Sat 1 10 17 24 1 8

370 360 368

Detailed Itinerary...
Message line Status line 7/02/1995

Fig. 14D

372

SABRE Travel Planner																																																																																								
Reservation Edit View Request Options Help																																																																																								
<div style="display: flex; justify-content: space-between;"> Trip Activity Log <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">✈️</div> <div>Flight List - Dallas, TX (DFW) to Chicago, IL (ORD)</div> </div> </div>																																																																																								
<div style="display: flex; justify-content: space-around; font-weight: bold;"> JanFebMarAprMayJunJulAugSepOctNovDec </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> 1995 1996 </div>																																																																																								
<p>Please select a flight from the list below by double-clicking on the line of your choice or by single-clicking the line of your choice and pressing the "Select Flight" button.</p> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> <div style="width: 45%;"> <p>Flight List:</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Carr</th> <th>Pera</th> <th>Fro</th> <th>Cat</th> <th>Flight #</th> <th>Depar</th> <th>City</th> <th>Arrive</th> <th>City</th> <th>Stops</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>✓</td> <td>✓</td> <td>American</td> <td>2220</td> <td>6:00A</td> <td>DFW</td> <td>8:05A</td> <td>ORD</td> <td>0</td> <td>avail</td> <td>↑</td> </tr> <tr> <td>✓</td> <td>✓</td> <td>American</td> <td>2224</td> <td>7:00A</td> <td>DFW</td> <td>9:10A</td> <td>ORD</td> <td>0</td> <td>avail</td> <td>↓</td> </tr> <tr> <td>✓</td> <td>✓</td> <td>American</td> <td>2326</td> <td>7:30A</td> <td>DFW</td> <td>9:41A</td> <td>ORD</td> <td>0</td> <td>cancel'd</td> <td>↕</td> </tr> <tr> <td>✓</td> <td>✓</td> <td>United</td> <td>224</td> <td>8:00A</td> <td>DFW</td> <td>10:00A</td> <td>ORD</td> <td>0</td> <td>sold out</td> <td>↕</td> </tr> <tr> <td>✓</td> <td>✓</td> <td>American</td> <td>2230</td> <td>8:30A</td> <td>DFW</td> <td>10:50A</td> <td>ORD</td> <td>0</td> <td>avail</td> <td>↓</td> </tr> <tr> <td>✓</td> <td>✓</td> <td>American</td> <td>2334</td> <td>9:30A</td> <td>DFW</td> <td>11:41A</td> <td>ORD</td> <td>0</td> <td>avail</td> <td>↓</td> </tr> </tbody> </table> </div> <div style="width: 50%;"> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> Select Flight Modify Search Cancel </div> <div style="display: flex; justify-content: space-between;"> More Flights Flight Details ? </div> </div> </div>												Carr	Pera	Fro	Cat	Flight #	Depar	City	Arrive	City	Stops	Status	✓	✓	American	2220	6:00A	DFW	8:05A	ORD	0	avail	↑	✓	✓	American	2224	7:00A	DFW	9:10A	ORD	0	avail	↓	✓	✓	American	2326	7:30A	DFW	9:41A	ORD	0	cancel'd	↕	✓	✓	United	224	8:00A	DFW	10:00A	ORD	0	sold out	↕	✓	✓	American	2230	8:30A	DFW	10:50A	ORD	0	avail	↓	✓	✓	American	2334	9:30A	DFW	11:41A	ORD	0	avail	↓
Carr	Pera	Fro	Cat	Flight #	Depar	City	Arrive	City	Stops	Status																																																																														
✓	✓	American	2220	6:00A	DFW	8:05A	ORD	0	avail	↑																																																																														
✓	✓	American	2224	7:00A	DFW	9:10A	ORD	0	avail	↓																																																																														
✓	✓	American	2326	7:30A	DFW	9:41A	ORD	0	cancel'd	↕																																																																														
✓	✓	United	224	8:00A	DFW	10:00A	ORD	0	sold out	↕																																																																														
✓	✓	American	2230	8:30A	DFW	10:50A	ORD	0	avail	↓																																																																														
✓	✓	American	2334	9:30A	DFW	11:41A	ORD	0	avail	↓																																																																														
<p>(**) In front of a flight number means commuter airline.</p>																																																																																								
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 45%;"> <p>Detailed Itinerary...</p> <p>Message line</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td style="width: 20%;">Status line</td> <td style="width: 20%;">7/02/1995</td> </tr> </table> </div> </div>												Status line	7/02/1995																																																																											
Status line	7/02/1995																																																																																							

Fig. 14E

SABRE Travel Planner
 Reservation Edit View Request Options Help

1995
7/02/1995

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

Trip Activity Log

Reserved: American 2220
 Depart: DFW 6:00A
 July 6, 1995
 Arrive: ORD 8:05A
 July 6, 1995

Detailed Itinerary...

Message line

Status line

Fig. 14F

Flight Request—Segment 2	
<p>Trip Activity</p> <p>Origination and Destination</p> <p>From Chicago, IL—ORD—O'Hare Int'l Arpt [v]</p> <p>To Dallas, TX—DFW—DFW Int'l Arpt [v]</p> <p>Date 07/07/95 [v] 12</p> <p>Time 5:00 PM [v] Depart ○ Arrive ●</p> <p>Fare Desired Lowest Available [v]</p> <p><input type="radio"/> All flight types: non-stops, directs, and connections</p> <p><input checked="" type="radio"/> Direct Flights</p> <p><input checked="" type="checkbox"/> Non-stops</p> <p><input checked="" type="checkbox"/> Direct with stop(s)</p> <p><input type="radio"/> Connections</p> <p>Through [v]</p> <p>Connecting times between 0 [v] and 4 [v] hours</p>	<p>Request Only</p> <p>Search [v]</p> <p>Cancel [v]</p> <p>Comment [v]</p> <p>Preferences [v]</p> <p>Special Services [v]</p> <p>[v]</p>
<p>Detailed Itinerary...</p> <p>Message line</p>	

Fig. 14G

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SABRE Travel Planner
Reservation Edit View Request Options Help

Trip Activity Log

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1995

Flight List - Chicago, IL (ORD) to Dallas, TX (DFW)

Please select a flight from the list below by double-clicking on the line of your choice or by single-clicking the line of your choice and pressing the "Select Flight" button.

Flight List:

Co	Pre	Pa	Pr	Car	Flight #	Depart	City	Arrive	City	Stops	Status
✓		✓		American	2239	3:30P	ORD	6:03P	DFW	0	sold out
✓		✓		American	2241	4:00P	ORD	6:25P	DFW	0	avail
✓		✓		American	2343	4:30P	ORD	6:57P	DFW	0	avail
✓		✓		American	2245	5:00P	ORD	7:30P	DFW	0	avail
		✓		United	621	5:45P	ORD	8:09P	DFW	0	avail
✓		✓		American	2249	6:00P	ORD	8:28P	DFW	0	avail

(*) In front of a flight number means commuter airline.

Detailed Itinerary...

Message line

Status line

7/02/1995

Buttons: Select Flight, Modify Search, Cancel, More Flights, Flight Details, ?

Grid:

2	3	4	5	6	7	8
---	---	---	---	---	---	---

THE SABRE Travel Planner

Reservation Edit View Request Options Help

384

1995

Trip Activity Log

Reserved:

American 2220

Depart:DFW 6:00A

July 6,1995

Arrive:ORD 8:05A

July 6,1995

Reserved:

American 2245

Depart:ORD 5:00P

July 7,1995

Arrive:DFW 7:30P

July 7,1995

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Sun	Mon	Tue	Wed	Thu	Fri	Sat						
27	28	29	30	1	2	3						
4	5	6	7	8	9	10						
11	12	13	14	15	16	17						
18	19	20	21	22	23	24						
25	26	27	28	29	30	1						
2	3	4	5	6	7	8						

Detailed Itinerary...

Message line

Status line

7/02/1995

Fig.14H

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SABRE Travel Planner

Reservation Edit View Request Options Help

Trip Activity Log

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

1995

Reserved:

American 22

Depart:DFW

July 6,19

Arrive:ORD

July 6,19

Reserved:

American 22

Depart:ORD

July 7,19

Arrive:DFW

July 7,19

Hotel List - Chicago, IL

Please select a hotel from the list below by double-clicking on the line of your choice or by single-clicking the line of your choice and pressing the "Select Hotel" button.

Select Hotel

Modify Search

Cancel

More Hotels

Hotel Details

Hotel List:

Co	Ref	Rate	Hotel	Chain	Property	City	USD (\$)
				Hilton	Palmer	Chicago,IL	121.00
	✓			Holiday Inn	City Center	Chicago,IL	140.00
	✓			Holiday Inn	Mart Plaza	Chicago,IL	109.00
				Hyatt	Hyatt	Chicago,IL	149.00
				Hyatt	Park Hyatt	Chicago,IL	179.00
				Marriott	City Center	Chicago,IL	158.00

Detailed Itinerary...

Message line

Status line

7/02/1995

Fig.14J

388

Fig. 14K

SABRE Travel Planner

Reservation Edit View Request Options Help

Trip Activity Log

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
27	4	11	18	25	2	9	16	23	30	6	13
28	5	12	19	26	3	10	17	24	31	7	14
29	6	13	20	27	4	11	18	25	1	8	15
30	7	14	21	28	5	12	19	26	2	9	16
31	8	15	22	29	6	13	20	27	3	10	17

Reserved:

American 2220
 Depart:DFW 6:00A
 July 6,1995
 Arrive:ORD 8:05A
 July 6,1995

Reserved:

Holiday Inn
 Mart Plaza
 Chicago,IL
 Check-in 5:00P
 July 6,1995
 Check-out: 11:00A
 July 7,1995
 1 night = \$109.00

Reserved:

American 2245
 Depart:ORD 5:00P
 July 7,1995
 Arrive:DFW 7:30P

Detailed Itinerary...

Message line

Status line

7/02/1995

374

376

Fig.14L

SABRE Travel Planner

Reservation

Edit

View Request

Options

Help

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

1995

Trip Activity Log

Reserved:

American 2220

Depart:DFW 6

July 6, 1995

Arrive:ORD 8:

July 6, 1995

Reserved:

Holiday Inn

Mart Plaza

Chicago,IL

Check-In 5:00P

July 6, 1995

Check-out: 11:

July 7, 1995

1 night = \$109

Reserved:

American 2245

Depart:ORD 5:00P

July 7, 1995

Arrive:DFW 7:30P

Detailed Itinerary...

Message line

Car Request Information

Pick-Up

City

Chicago,IL - ORD - O'Hare Intl Airport

Date

07/06/95

Time

8:30 AM

Car Type

Intermediate

Drop-Off (Return)

City

Chicago,IL - ORD - O'Hare Intl Airport

Date

07/07/95

Time

5:00 PM

Search

Reserve Co. Pref

Request Only

Catref

Comment

Preferences

3

10

17

24

392

1

394

7

6

5

4

3

2

7/02/1995

Status line

38

SABRE Travel Planner
Reservation Edit View Request Options Help

Trip Activity Log

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1995

1995

Reserved:
American 2245
Depart:DFW
July 6,1995
Arrive:ORD
July 6,1995

Reserved:
Holiday Inn
Mart Plaza
Chicago,IL
Check-in 5:00
July 6,1995
Check-out:
July 7,1995
1 night = \$110

Reserved:
American 2245
Depart:ORD 5:00P
July 7,1995
Arrive:DFW 7:30P

Car List - Chicago, IL

Please select a car from the list below by double-clicking on the line of your choice or by single-clicking the line of your choice and pressing the "Select Car" button.

Car List:

Co. / Price / Pkgs. / Ref.	Company	Type	Location	Miles	USD (\$)
	Alamo	Mid-size	On Term	Unl	56.99
✓	Avis	Mid-size	On Term	Unl	57.99
✓	Budget	Mid-size	On Term	Unl	54.97
	Dollar	Mid-size	On Term	Unl	58.95
	Enterprise	Mid-size	Off Arpt	Unl	58.99
	Hertz	Mid-size	On Term	Unl	60.99

* Price is based on a daily rate and does not include taxes, insurance, fuel costs or charges, and any other miscellaneous charges or fees.

Buttons:
Select Car
Modify Search
Cancel
Car Details

Detailed Itinerary...

Message line

2	3	4	5	6	7	8
---	---	---	---	---	---	---

Status line

7/02/1995

Fig. 14M

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SABRE Travel Planner

Reservation Edit View Request Options Help

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1995

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

Trip Activity Log

Reserved:

American 2220
Depart: DFW 6:00A
July 6, 1995
Arrive: ORD 8:05A
July 6, 1995

Reserved:

Budget Rental Car
ORD Airport
Pick-up: 8:30A
July 6, 1995
Drop-off: 5:00P
July 6, 1995
2 days \$109.94

Reserved:

Holiday Inn
Mart Plaza
Chicago, IL
Check-in: 5:00P
July 6, 1995
Check-out: 11:00A

Detailed Itinerary...

Message line

7/02/1995

Status line

Message line

Fig. 14N

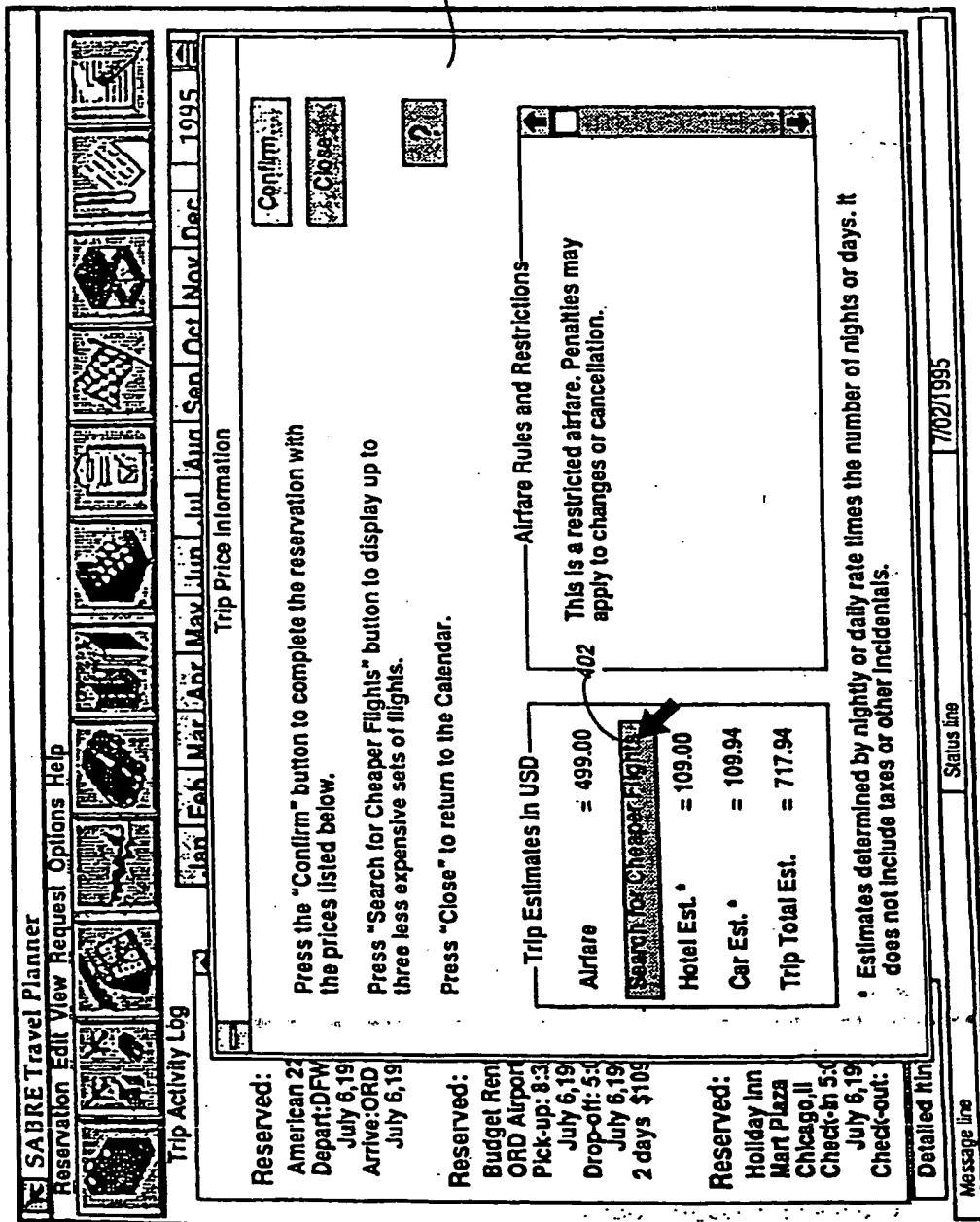


Fig. 140

42

43

Fig.14R

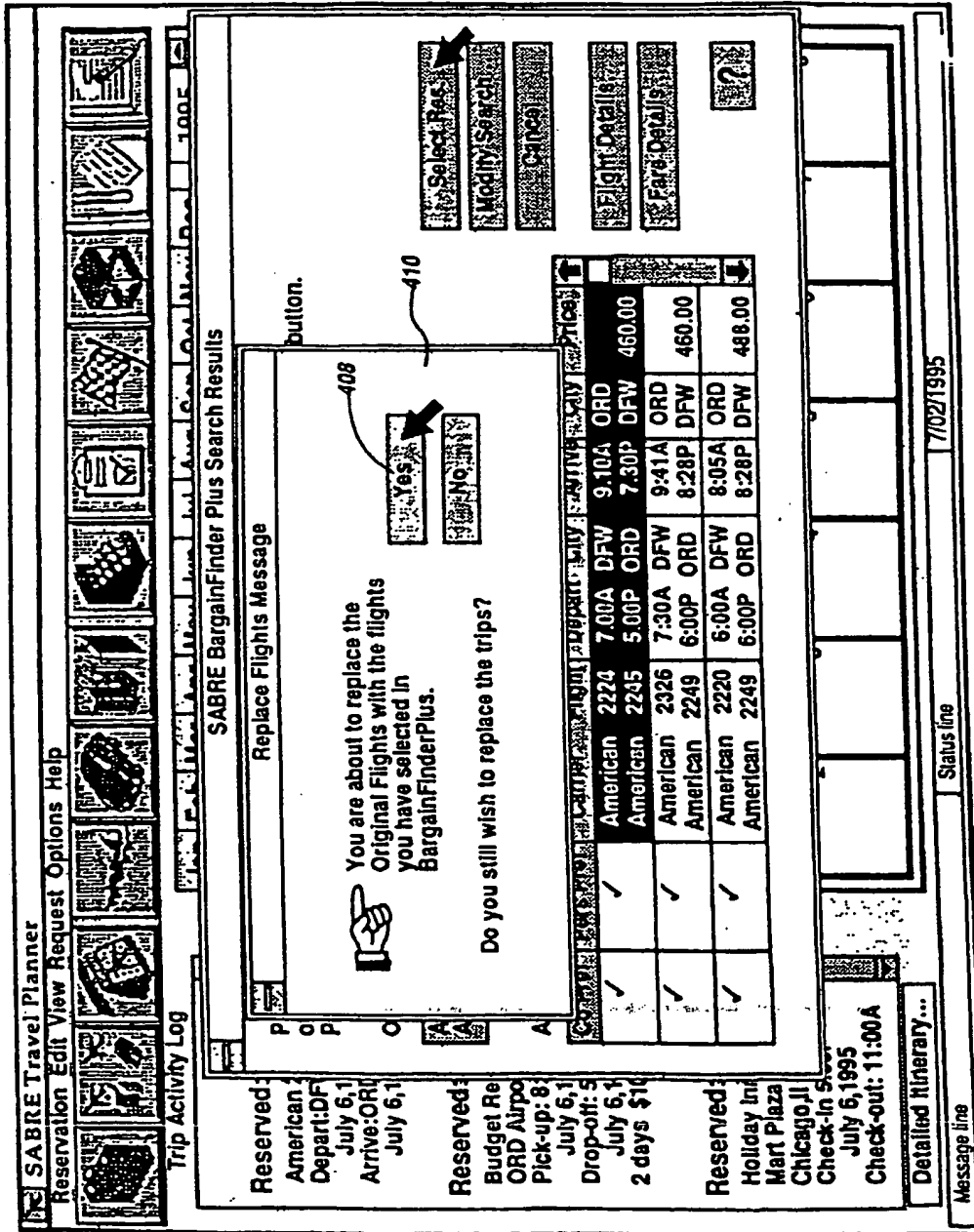


Fig. 14S

SABRE Travel Planner

Reservation Edit View Request Options Help

412

Trip Activity Log

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1995
Sun	27		28	29	30	31	1	2	3	4	5	6
Mon	4		5	6	7	8	9	10	11	12	13	14
Tue	11		12	13	14	15	16	17	18	19	20	21
Wed	18		19	20	21	22	23	24	25	26	27	28
Thu	25		26	27	28	29	30	31	1	2	3	4
Fri												
Sat												

Reserved:

American 2220
Depart: DFW 7:00A
July 6, 1995
Arrive: ORD 9:10A
July 6, 1995

Reserved:

Budget Rental Car
ORD Airport
Pick-up: 9:10A
July 6, 1995
Drop-off: 5:00P
July 7, 1995
2 days \$109.94

Reserved:

Holiday Inn
Mart Plaza
Chicago, IL
Check-in 5:00P
July 6, 1995
Check-out: 11:00A

Detailed Itinerary...

Message line

Status line

7/02/1995

374

376

Fig.147

SABRE Travel Planner
Reservation Edit View Request Options Help

Confirmation - Ticket Delivery

Choose a method for obtaining your ticket: 416

☐ Pick up ticket at Company Travel Agency
☐ Pick up ticket at Airline Counter
☒ Send ticket to person/location listed below

Pick-up or deliver by: Date 07/05/95 10/2
Time 5:00 PM

Ticket to be received by:

Last Name Kelvin
 First Name James P.
 Company ACME Products
 Address 123 Elm
 Last Name Suite 123
 City Irving
 State TX Zip Code 75308
 Phone 214-555-6100 Ext 3456

☐ Office
☐ Home
☐ Other

Trip Activity

Reserved:
 American 223
 Depart:DFW
 July 6, 199
 Arrive:ORD 8
 July 6, 199

Reserved:
 Budget Renta
 ORD Airport
 Pick-up: 8:30
 July 6, 199
 Drop-off: 5:00
 July 6, 199
 2 days \$109.

Reserved:
 Holiday Inn
 Mart Plaza
 Chicago,IL
 Check-in 5:00
 July 6, 199
 Check-out: 1

Detailed Itine

Message line

418

Fig.14V

SABRE Travel Planner
 Reservation Edit View Request Options Help

420

Trip Activity Log

Reserved:
 American 2224
 Depart: DFW 7:00A
 July 6, 1995
 Arrive: ORD 9:10A
 July 6, 1995

Reserved:
 Budget Rental Car
 ORD Airport
 Pick-up: 9:10A
 July 6, 1995
 Drop-off: 5:00P
 July 7, 1995
 2 days \$109.94

Reserved:
 Holiday Inn
 Mart Plaza
 Chicago, IL
 Check-in 5:00P
 July 6, 1995
 Check-out: 11:00A

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1995
Sun	Mon	Tue	Wed	Thu	Fri	Sat						
27	28	29	30	1	2	3						
4	5	6	7	8	9	10						
11	12	13	14	15	16	17						
18	19	20	21	22	23	24						
25	26	27	28	29	30	1						
2	3	4	5	6	7	8						

Detailed Itinerary...

Message line

Status line

7/02/1995

Fig. 14W

SABRE Travel Planner											
Reservation Edit View Request Options Help											
Trip Activity Log											
<div style="float: right; text-align: right;"> 1995 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec </div>											
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Reserved: American 222 Depart: ODFW 6 July 6, 1995 Arrive: ORD 8: July 6, 1995</p> <p>Reserved: Budgetal Rental ORD Airport Pick-up: 8:30A July 6, 1995</p> <p>Drop-off: 5:00P July 6, 1995 2 days \$109.94</p> </div> <div style="width: 45%;"> <p>Reserved: Holiday Inn Mart Plaza Chicago, IL Check-in 5:00P July 6, 1995 Check-out: 11:00A</p> </div> </div>											
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p style="text-align: center;">Finish Reservation</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="font-size: 1.2em; font-weight: bold;">Do you wish to finish your reservation and send it on to your travel agency for processing?</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> Yes No </div> </div> </div> <div style="flex: 1; position: relative;"> </div> </div>											
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Detailed Itinerary...</p> </div> <div style="width: 45%;"> <p>Status line</p> </div> </div>											

Fig. 14X

SABRE Travel Planner

Reservation Edit View Request Options Help

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1995
Sun	27	28	29	30	31	1	2	3	4	5	6	7
Mon	4	5	6	7	8	9	10	11	12	13	14	15
Tue	11	12	13	14	15	16	17	18	19	20	21	22
Wed	18	19	20	21	22	23	24	25	26	27	28	29
Thu	25	26	27	28	29	30	31	1	2	3	4	5
Fri	2	3	4	5	6	7	8	9	10	11	12	13
Sat	9	10	11	12	13	14	15	16	17	18	19	20

Trip Activity Log

Reserved: American 2220
 Depart: DFW 7:00A
 July 6, 1995
 Arrive: ORD 9:10A
 July 6, 1995

Reserved: Budget Rental Car
 ORD Airport
 Pick-up: 9:10A
 July 6, 1995
 Drop-off: 5:00P
 July 7, 1995
 2 days \$109.94

Reserved: Holiday Inn
 Mart Plaza
 Chicago, IL
 Check-in 5:00P
 July 6, 1995
 Check-out: 11:00A

Detailed Itinerary...

Message line

Status line

7/02/1995

Fig. 15A

SABRE Travel Planner											
Reservation Edit View Request Options Help											
Trip Activity Log											
<div style="float: left; width: 150px;">426</div> <div style="clear: both;"></div>											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995											
Sun	Mon	Tue	Wed	Thu	Fri	Sat					
27	28	29	30	1	2	3					
4	5	6	7	8	9	10					
11	12	13	14	15	16	17					
18	19	20	21	22	23	24					
25	26	27	28	29	30	1					
2	3	4	5	6	7	8					

[Detailed Itinerary...](#)

Status line
 Message line
 7/02/1995

Fig. 15B

[illegible]

Fig. 15C

SABRE Travel Planner Reservation Edit View Request Options Help																			
Trip Activity <div style="border: 1px solid black; height: 100px;"></div>	<div style="float: right; width: 150px; text-align: center;"> 1995 Sat <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td>2</td><td>3</td></tr> <tr><td></td><td>9</td><td>10</td></tr> <tr><td></td><td>16</td><td>17</td></tr> <tr><td></td><td>23</td><td>24</td></tr> <tr><td></td><td>30</td><td>1</td></tr> <tr><td></td><td>7</td><td>8</td></tr> </table> </div> <div style="clear: both;"></div> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> <p style="text-align: center;">Frequent Trip: Monthly Chicago Trip</p> <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p> American Airlines Flight 2224 Depart: Dallas, TX - DFW Intl. Arpt. at 7:00AM Arrive: Chicago, IL - O'Hare Intl. Arpt. at 9:10AM</p> </div> <div style="width: 45%;"> <p> Budget Rental Car Pick-up: Chicago, IL - O'Hare Intl. Arpt. at 9:10AM Drop-off: Chicago, IL - O'Hare Intl. Arpt. at 5:00PM 2-day rental</p> </div> </div> <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p> Holiday Inn - Mart Plaza, Chicago, IL Check In: 5:00PM 1-night stay</p> </div> <div style="width: 45%;"> <p> American Airlines Flight 2245 Depart: Chicago, IL - O'Hare Intl. Arpt. at 5:00PM Arrive: Dallas, TX - DFW Intl. Arpt. at 7:30PM</p> </div> </div> </div> <div style="margin-top: 10px; text-align: right;"> OK Cancel ? </div>		2	3		9	10		16	17		23	24		30	1		7	8
	2	3																	
	9	10																	
	16	17																	
	23	24																	
	30	1																	
	7	8																	
Detailed Itine <div style="border: 1px solid black; height: 100px;"></div>	<div style="display: flex; justify-content: space-between;"> Status line 7/02/1995 </div>																		

Fig. 15D

[illegible]

Fig. 15E

The screenshot displays the SABRE Travel Planner interface. At the top, a menu bar includes 'SABRE Travel Planner', 'Reservation', 'Edit', 'View', 'Request', 'Options', and 'Help'. Below the menu is a row of icons representing various travel services. The main area features a calendar for the year 1995, with months from January to December. A window titled 'Frequent Trip Dates' is open, showing a calendar for the month of December 1995. The window contains the text 'Repeating Frequent Trip: Monthly Chicago Trip' and 'On what date will new travel begin?' with a date field set to 07/06/95. The window also has buttons for 'Reserve', 'Request Only', and 'Cancel'. A 'Trip Activity Log' button is visible on the left side of the window. The calendar shows dates from 1 to 31, with a 'Fri' label for the 1st and a 'Sat' label for the 2nd. A 'Detailed Itinerary...' button is located at the bottom right of the window.

Fig. 15F

[illegible]

Fig. 15G

SABRE Travel Planner

Reservation Edit View Request Options Help

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1995
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------

Trip Activity Log

Frequent Trip Completed

Reserved: American 222
Depart: DFW 6
July 6, 1995
Arrive: ORD 8
July 6, 1995

The segments in the Frequent Trip
Monthly Chicago Trip
have been reserved starting
with the date
July 6, 1995.

Do you wish to finish your reservation and
send it on to your travel agency for processing?

Yes No

Reserved: Budget Rent
ORD Airport
Pick-up: 8:30A
July 6, 1995
Drop-off: 5:00P
July 6, 1995
2 days \$109.94

Reserved: Holiday Inn
Mart Plaza
Chicago, IL
Check-In 5:00P
July 6, 1995
Check-out: 11:00A

Detailed Itinerary...

Message Line	Status Line	Date
		7/02/1995

Fig. 16A

450 452

SABRE Expense Report

File Options Help

Expense Report Log

In Work...
8/11-8/14

1995

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Calculate the total expense for the period 8/11-8/14

19/8/1995 10:57 am

454

456

Expense Date Range for James P. Kelvin

Enter Expense Report Header Information below.

Purpose Trip/Expense: New product discussion-Chicago

Start Date: 08/11/95

End Date: 08/14/95

Default Project: CC000

OK Cancel ?

Fig. 16B

464
466
462

Charges

Ticket Price:

Currency:

Tax Amount:

Amount in USD:

Ticket #:

Amount Type:

Explanation

Origination City	Destination City	Class of Service	Carrier	Date	Upgrade Fee
DFW-Dallas/Ft.	ORD-Chicago	Y-Coach	AA-American	8/11/95	\$ 0.00
ORD-Chicago	DFW-Dallas/Ft.	Y-Coach	AA-American	8/14/95	\$ 0.00

Fig.16C

Car Item Detail

Car Rental

Rental City Code:

Rental Chain Name:

Pickup Date:

Drop off Date:

Car Receipt

Receipt Total:

Currency:

☐ Daily Detail
☒ Total

Amount Type:

☐ Value Added Tax

Date	Amount	Tax	Amount Type	Description
08/11/95			R-Reimbursable	Compact Car

Sales Tax: \$0.00 **Company Paid:** \$0.00

Total Amount: \$43.52 **Non-reimbursable:** \$0.00

Amount in USD: \$43.52 **Reimbursable:** \$43.52

Reminder...Car Insurance is not a reimbursable item.

Fig.16D

476

Hotel Item Detail

Hotel Booking

Hotel City Code:

Hotel Name:

Hotel Zip:

Chain Code:

Check-in Date:

Check-out Date:

Hotel Receipt

Receipt Total:

Currency:

☒ Daily Detail
☐ Total

Amount Type:

☐ Value Added Tax

Date	Amount	Amount Type	Description
08/11/95	\$85.00	R-Reimbursable	Single with Bath
08/11/95	\$85.00	N-Non-reimbursable	Single with Bath

Sales Tax: \$13.48

Total Amount: \$183.48

Amount in USD: \$183.48

Company Paid: \$0.00

Non-reimbursable: \$91.74

Reimbursable: \$91.74

478

Fig.16E

480

Meals Detail

Dates

Start Date: 08/11/95

Stop Date: 08/14/95

Reimbursements Methods

☐ Actual Receipts
☒ Per Diem

Rate Type: Company ↓

Meal City: ORD-Chicago O'Hare ↓

Date	Meal	City	Amount	Tax	Amount Type	Currency
08/11/95	Daily	ORD-Chicago	\$38.00	\$0.00	R-Reimbursable	USD-1
08/12/95	Daily	ORD-Chicago	\$38.00	\$0.00	R-Reimbursable	USD-1
08/13/95	Daily	ORD-Chicago	\$38.00	\$0.00	R-Reimbursable	USD-1

Sales Tax: \$0.00

Receipts Total: \$68.00

Amount in USD: \$68.00

Company Paid: \$0.00

Non-reimbursable: \$0.00

Reimbursable: \$68.00

Remove Row

OK Cancel ?

482

Fig.16F

484

Business Entertainment Detail

Entertainment Detail

Start Date: 08/11/95 **Place:** Palmer House-Hilton **Topic:** New product design

Stop Date: 08/14/95 **Receipt Total:** \$63.87 **Currency:** USD-US Dollar **EX** ☐ Value Added Tax

Name	Company	Affiliation
Susan Clark	Sanderson Plastics, Inc.	V.P. Marketing
Roger Sanderson, Jr.	Sanderson Plastics, Inc.	President

Date	Amount	Tax	Amount Type	Ent. Type	Description
08/11/95	\$59.00	\$4.87	R-Reimbursable	Meal	

Sales Tax: \$0.00 **Company Paid:** \$0.00

Total Amount: \$63.87 **Non-reimbursable:** \$0.00

Amount In USD: \$63.87 **Reimbursable:** \$963.87

Repeat Row **Remove Row** **OK** **Cancel** **?**

Fig.16G

486

Fig. 16H

488
SABRE Expense Report

File
Options
Help

1995

Expense Report Log

In Work...
8/11-8/14

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Calculate the total expense for...

Status

9/6/1995 10:07:am

[illegible]

Fig. 161

494
SABRE Expense Report
454

File Options Help

Expense Report Log

In Work... 8/11-8/14

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
30	31	1	2	3	4	5	6	7	8	9	10
13	14	15	16	17	18	19	20	21	22	23	24
27	28	29	30	31	1	2	3	4	5	6	7
10	11	12	13	14	15	16	17	18	19	20	21

1995

19/8/1995 10:57 am

Calculate the total expenditure
Status

Fig. 16J

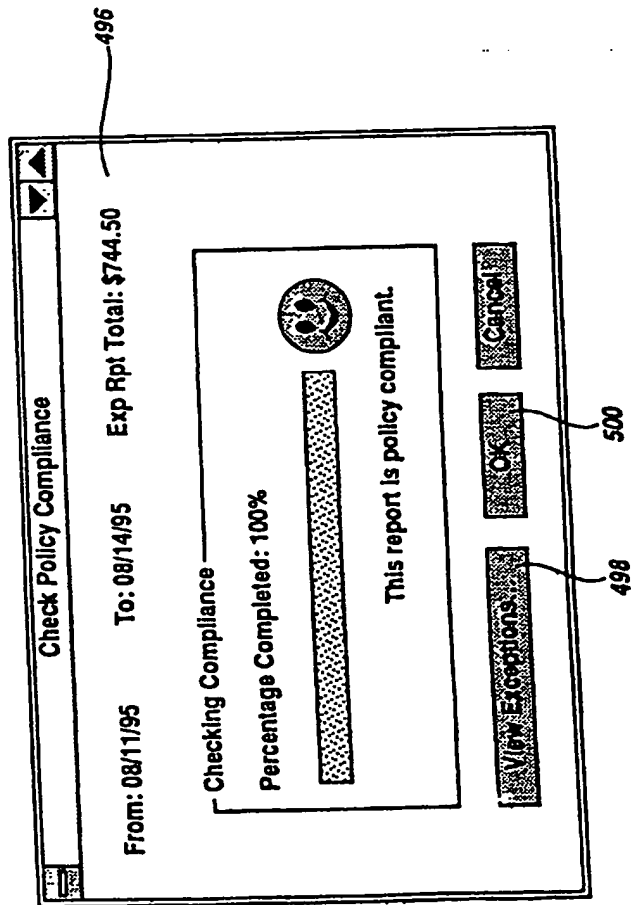


Fig. 16K

502

Expense Report for James P. Kelvin

File Edit View Options Help

Employee #: 5051232
From: 08/11/95 Through: 08/14/95
Exp. Rpt.#

Date	Expense Type	City	Amount	Exp Alloc	Amt Type	Receipt Alloc.	Approv Status
08/11/95	Air	DFW-Dallas/Ft. Worth	\$432.00		C		
08/11/95	Car	ORD-Chicago O'Hare	\$43.52		R		
08/11/95	Hotel	ORD-Chicago O'Hare	\$103.48		R		
08/11/95	Meal	ORD-Chicago O'Hare	\$68.00		R		
08/11/95	Entertain	ORD-Chicago O'Hare	\$63.87		R		
Total							

Expense Report Total: \$790.87
Remove Row

Enter Detail
Allocate Expense
Calculate Totals
Save
Cancel

Fig.16L

Fig. 16M

